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<210> 16584
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<212> DNA
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gcggagtttg ctatggacag caaccatcaa agtaattaca aactcgcacc tgaacaagc 180
tac 183

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<211> 242
<212> DNA
<213> Homo sapiens

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agatcaacgg agaggcccag ccgtggctgt ccacatccac agagggggtc aagatcccca 180
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gg 242

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<211> 113
<212> DNA
<213> Homo sapiens

<400> 16586
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<210> 16587
<211> 67
<212> DNA
<213> Homo sapiens

<400> 16587
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ttttttt 67

<210> 16588
<211> 242
<212> DNA
<213> Homo sapiens

<400> 16588
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ccccagattc ttsgcacagt gtctagatcc gwygcgcccac cgtttgctc ccagcctgac 180

tccctcggcc cttacccacm wktsaccccc tctacgtct ccttcctcgc cagcacgcct 240
at 242

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<212> DNA
<213> Homo sapiens

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gtcttcacac tatcataggg aggtaa 146

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<211> 80
<212> DNA
<213> Homo sapiens

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gagaaatagg agaaggcacc 80

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<212> DNA
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ca 122

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<212> DNA
<213> Homo sapiens

<400> 16592
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ctcctgacct cgtgatccac ccgg 84

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<211> 65
<212> DNA
<213> Homo sapiens

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cgcak 65

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<211> 125
<212> DNA
<213> Homo sapiens

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 gcccc 125

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 <212> DNA
 <213> Homo sapiens

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 tttttttttt t 191

<210> 16597
 <211> 165
 <212> DNA
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<400> 16597
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 <211> 273
 <212> DNA
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<400> 16599
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agccaggatg gtctcgatct cctgacctcg tgatctgccc accttggcct cccaaagtgc 240
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<210> 16600
 <211> 170
 <212> DNA
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<400> 16600
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 ctggttgctg ctctcctggg gccaatggcc agtggttaaca gggaaggctg ccatgtttca 120
 caattactgc aaaccaacac agctagaaac tttttcccta aaggatgaac 170

<210> 16601
 <211> 213
 <212> DNA
 <213> Homo sapiens

<400> 16601
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 gttcctggcc ggatcccggg ctacccttag ccagactcg ttccggaccc cagcccggcc 120
 cggaacactc taggcgagac ggcggtggca actctccct tgccgccatg cagcagcgtt 180
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<210> 16602
 <211> 244
 <212> DNA
 <213> Homo sapiens

<400> 16602
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 cttcttatgg gctgagggcg tagacacatc ctgcttcag cctagcaggc aaacgggaac 180
 ggaagtgata ggggatcaga agttgcgagg ggatgaggag taggggaaac cgacaagcgg 240
 cgga 244

<210> 16603
 <211> 87
 <212> DNA
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 aaggaccgat ccctatgcct ctgcca 87

<210> 16604
 <211> 217
 <212> DNA
 <213> Homo sapiens

<400> 16604
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 ctctgacct cgtgatccgc ccgcctcggc ctcccaaagt gctgggacta caggcgcgtg 120
 ccaccacgcc cagctaattt ttgtattttt agtagagacg gggtttcacc atgttgcca 180

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217

<210> 16605
<211> 173
<212> DNA
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<400> 16605
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agcctacagc tggaggggtg gactgacagc cctcttgat caggagtaaa tagaacggga 120
aagaatttga tttgcgcaac tgggcgctaa ggagcggctc ggacggaggg aga 173

<210> 16606
<211> 184
<212> DNA
<213> Homo sapiens

<400> 16606
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gaagtctgtc tcggatatga ttaaagagtt tcgaaaaaat tggcgtgctc tttgtaactc 120
tgagagaact actctatgtg gtgcagactc catgctcttg gcattgcagc tttctatggc 180
ggga 184

<210> 16607
<211> 162
<212> DNA
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<400> 16607
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acttgaaact agtgagtgtt tgtcacattt cactttcatg gtatataaaa tgcagtttgc 120
atatataact tgaatatctg gtactagttt tttcacgcct tg 162

<210> 16608
<211> 372
<212> DNA
<213> Homo sapiens

<400> 16608
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cacctgtcca ttcctacctt ttggaagcac caggaggtgg gcctgggtcc tctgctgctt 120
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ggtggggcag gacctgggga ggggagagag agggaggggg cagtgaggga gaaggagaag 360
tgacggggca ca 372

<210> 16609
<211> 110
<212> DNA
<213> Homo sapiens

<400> 16609
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ggctgatctg gctggctagg cgggtgtccc cttcctccct caccgcccc 110

<210> 16610
<211> 77
<212> DNA
<213> Homo sapiens

<400> 16610
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gtagagcacc gaaaact 77

<210> 16611
<211> 227
<212> DNA
<213> Homo sapiens

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gggatactca acctgtatct acttttttaa aataatatc tgaaattcga tactgttttt 120
catcttccat gctatttttg ctatcaagat atggttacat acagtggctg gtccataata 180
tattcctata taatatttta gatgtttcct tatgagtcac gattcag 227

<210> 16612
<211> 181
<212> DNA
<213> Homo sapiens

<400> 16612
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cggcggcggc gaggggaaaag ggagcgcggg ggctgggtgg aatcgaggag tgaggaaaaa 120
gggaaggggc gggggagagag gaccagggaa ggcgtcgggg ggaatctcgc gagggttggc 180
t 181

<210> 16613
<211> 171
<212> DNA
<213> Homo sapiens

<400> 16613
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ggcaggggaa tcgcttgaac ccgggaggtg gaggtttcag tgggccgaga ttgcaccact 120
gcacttcagt ctgagtaaca agagcaagac tctgtctcag gaaaaaaaaa a 171

<210> 16614
<211> 179
<212> DNA
<213> Homo sapiens

<400> 16614
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gtgctgccct tgctgtctgg gtctcctccc tgccacggag cttcctcttc aacagttttt 120
tcttacatga caggcagagg gttactttta agccccaac cagatcctgt gggttccac 179

<210> 16615

<211> 216
 <212> DNA
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<400> 16615
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 gagaccctg cagcctgcgt ggggtcccctt cccctggcct ctgcccttag ggatgaggag 180
 cccaggagga tggtgaccgg gagtggagga cagctt 216

<210> 16616
 <211> 132
 <212> DNA
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<400> 16616
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 aaaacatatg gagacgttta tacccattga ttgacaact gaaaatcaag agatggacaa 120
 ggaggaaacc aa 132

<210> 16617
 <211> 131
 <212> DNA
 <213> Homo sapiens

<400> 16617
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 acctgtgat ccgccggctt cagcctccca atgtgctggg attacaggtg tgagcaactg 120
 tgaccgggcc c 131

<210> 16618
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 16618
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 cagatggaaa tgcagaaatc acccgtcttc tgcgtcactc aggctgggag ctgtagaccg 120
 gagctgttcc tattcggcca tcttggctcc tcccgtctt tctactattt tttgacttaa 180
 agattgtttt atgtaagtat agctactcct cctctttttt gattttcatt tttttcttaa 240
 tccatttagc ccaccgac 258

<210> 16619
 <211> 95
 <212> DNA
 <213> Homo sapiens

<400> 16619
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 ttgggaggct aggatgggag gatcacttga gccca 95

<210> 16620
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 <212> DNA

<213> Homo sapiens

<400> 16620

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aggccaaggt	gggagagtcg	cttgagccca	gagtttgaga	tcagcctggg	caacatggca	120
agaacctgtc	ccaaatttaa	tataataaat	tttaaataaa	attttaaaaa	taamatrra	180
taaaaaatta	tacaggaggg	cacaa				205

<210> 16621

<211> 129

<212> DNA

<213> Homo sapiens

<400> 16621

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gggagcgggc	tccggagagc	ctgagagcac	ggtggggcgg	ggcgggagaa	agtggccgcc	120
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<210> 16622

<211> 282

<212> DNA

<213> Homo sapiens

<400> 16622

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ttctgctatt	gtggatagag	ctgtgacgaa	catacagggtg	catgcaccc	ttgggtaaaa	120
tgatttattt	tcctttggat	atatacccag	taatgcaatt	gctgagtga	atggtngttc	180
aaatcttggg	tgtttgagaa	atctccaaag	tgctctactc	aatggctaaa	ttaatttaca	240
ttcacaccaa	aaaggtatgt	gtcccccttt	ctccacagcc	tc		282

<210> 16623

<211> 105

<212> DNA

<213> Homo sapiens

<400> 16623

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<210> 16624

<211> 160

<212> DNA

<213> Homo sapiens

<400> 16624

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tctgcgccac	agttgttgta	cttgatatgg	tcgtctgtaa	aggatttgta	gaagatttag	120
atgaatcggt	ttaaagaaa	cgaaatgatg	acatttggt			160

<210> 16625

<211> 92

<212> DNA

<213> Homo sapiens

<400> 16625
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 gcgcacgtta gggtagccgt gcaaggggag cs 92

<210> 16626
 <211> 288
 <212> DNA
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 gttcagggttg ttctcctgcc tcagcttcct gactagctac aggtgccac aaccacaccc 120
 agctaatttt tgtgtttttg gtagagatgg ggtttcacca tgttgccag gctggtctgg 180
 aactcctgac ctacagtgat ctgccacct cggcctccca aagtgtctggg attacaggcg 240
 tgagcacctg gccagccca ttgtcacttt ttactgagca cctgcata 288

<210> 16627
 <211> 68
 <212> DNA
 <213> Homo sapiens

<400> 16627
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 ccattcgt 68

<210> 16628
 <211> 230
 <212> DNA
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 ccccggaagga caccagccca atggagatgg tctgcaggaa tggccggatg gcaggcgtga 120
 actgtggaga gacggggctg cgtcacccac cgctcaagag agggatgggg acagggcagg 180
 agcgaggcac agggctgtgc ggggaagaca cattcattca gtaaagcaga 230

<210> 16629
 <211> 243
 <212> DNA
 <213> Homo sapiens

<400> 16629
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 actocctgag cctcagggtt cttgtctgta aaatgataaa gatagcccct gtttcatagg 180
 gctgtggtga gaaaccaatc agacaaggca tgtgaacgcc attatagcac agcggccggc 240
 tga 243

<210> 16630
 <211> 73
 <212> DNA
 <213> Homo sapiens

<400> 16630

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tttttttttt ttt 73

<210> 16631
<211> 283
<212> DNA
<213> Homo sapiens

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gcccaggcgg agtcttgtct cgcagccagc tctgagcggg aggcctgagc gggaagcatt 180
ggcgtccgag cgacttctag gagccysggg ttcggcgcta tggaggagct cgatggcgag 240
ccaacagtca ctttgattcc aggcgtgaat tccaagaaga acc 283

<210> 16632
<211> 135
<212> DNA
<213> Homo sapiens

<400> 16632
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aaaacagcag gagaggggtg ctcaggactt agggacaggg tatagcttag atggtggaaa 120
gcaaaggaga gcaaa 135

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<211> 352
<212> DNA
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<400> 16633
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ataaatgtct tcttttgaga agtgtctgtt catgtccttc gccactttt ggatgggggt 180
gtttgttttt ttttgttaa tttgtttgag ttcattgtag attctggata ttagcccttt 240
gtcagatgag taggttgcga aaattttctc ccattttgta ggttgcctgt tcaactctgat 300
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<210> 16634
<211> 171
<212> DNA
<213> Homo sapiens

<400> 16634
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accgaagaa cgggtcgtgc aasacgcagc tggacctggc ccagccatgg accgaaaagt 120
ggcccagaaa ttccggcata aggtggattt tctgattgaa aatgatgctc a 171

<210> 16635
<211> 176
<212> DNA
<213> Homo sapiens

<400> 16635

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 tgggtactcag tatcggaacct cagtgtattca gatacctttt actcttgaga ctcaagggtga 120
 agatgaggaa gataaagaga atattccttc cacagatgtc tcatcaccca ccatga 176

<210> 16636
 <211> 176
 <212> DNA
 <213> Homo sapiens

<400> 16636
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<210> 16637
 <211> 245
 <212> DNA
 <213> Homo sapiens

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 gacaggaggg gtgggggtcag caggaacccc agcaggcttt tctcatgggg aggggaattca 180
 ctccccctc aacaattata gccaacattg tggagtctta cccttattct aagctttttt 240
 ttttt 245

<210> 16638
 <211> 62
 <212> DNA
 <213> Homo sapiens

<400> 16638
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 tt 62

<210> 16639
 <211> 292
 <212> DNA
 <213> Homo sapiens

<400> 16639
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 ttctgcgcag ggtcgccctt tggagcccgt ttccaaatga ttttaagagg gaagggaatc 180
 tagggaggcc gattccaggg gcgagggcgg aaaaccagc cggggcagcc gaggagcggc 240
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<210> 16640
 <211> 105
 <212> DNA
 <213> Homo sapiens

<400> 16640
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gaggtccggt ttcggcggt gcatgttggt cctgggtcag tccaa

105

<210> 16641
<211> 161
<212> DNA
<213> Homo sapiens

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aatcgcttga acctaggagg tggaggttgc attcaactga gatcatacca cttcattcca 120
gcctgggtga cagagcaaga ctctgtctca aaaaaaaaaa a 161

<210> 16642
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<212> DNA
<213> Homo sapiens

<400> 16642
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tctgaaccc ctctctggt caccgagaat cagtccccgt gga 103

<210> 16643
<211> 280
<212> DNA
<213> Homo sapiens

<400> 16643
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ttcctttctg ctttgaaata tgttgtgtgt tagaaacaga gaggtaattg ttatggtgta 120
actcagaata ctgggataga gttatgcatt aagagtggga cgataggaca ttatgcaaac 180
agagtccta aagagagatg ttttagtggg taaaataatt tttaagaatt atttagatac 240
tccctaccaa taagtactca cagatattaa cctcccagac 280

<210> 16644
<211> 335
<212> DNA
<213> Homo sapiens

<400> 16644
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aatttttaaa agtgattttt gtgggagctt agactttctt ctgacctct cctgcccac 180
gaaacgggat tcctttctca ccaaccgcca tattggcaag aatttctgcc acagagtttt 240
actattaata ctagaagttc caacctactt tccaccaata aaaggttccc acaaatcgtc 300
ctaggggaga atttatttaa gtaatttaaa tgtga 335

<210> 16645
<211> 157
<212> DNA
<213> Homo sapiens

<400> 16645
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gatcctaatt caaacctag gttgaaaagc acgtctgtgg aggagagggc tgcttttagaa 120

tcctagctcc ttggtcatac ctagtactct gccccca

157

<210> 16646
<211> 423
<212> DNA
<213> Homo sapiens

<400> 16646
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ccgggttcaa gcgattctcc tgcctcagcc tcctgagtag ctgggactac aggcgcccgc 120
caccacgccc ggctaatttt tatattttta ttagagacag tgtttcacca tgtacaccag 180
getggtctcg aactcctgac gtcaggatgat ccgcccgcct cgtcctccaa agtgctggga 240
ttacaggcgt gaaccgcccgc gcccggccac aatcttttaa agattacaac tatgtctcct 300
gggactgcac gttcactaca caccacgctc acgagcgctc gcagcgggta tggaactcta 360
cagagtcctt tcatctcccg tctcactgag gaagaagccc tttcttttca ctgtgacaac 420
tcc 423

<210> 16647
<211> 415
<212> DNA
<213> Homo sapiens

<400> 16647
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gcagtgggat ctaaggagag atggaggtaa attaagaggt ttcagactct tggaagaatt 180
tcacatatgc acgtaacacn catgcataca aagggttaact gtcattgctgc actggaatca 240
agaaaaatga ggattgagaa tgattattgc gtttcgccag aggtcattga tagcttttag 300
gactttgatt ttgccagagc tgtggaaatg gaagcttttc tgaaaatttc agaattaata 360
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<210> 16648
<211> 95
<212> DNA
<213> Homo sapiens

<400> 16648
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ttagagatgg ggtcttgctt tgttgcccag gcatt 95

<210> 16649
<211> 134
<212> DNA
<213> Homo sapiens

<400> 16649
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tcttatcaag aggaggaaag gacaataaac tgggaaatgg gaggtaagga tgtctggtat 120
cagatttcac gcaa 134

<210> 16650
<211> 94
<212> DNA
<213> Homo sapiens

<400> 16650
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 aaaggcattg ggtgaaagaa gattgccacg ggag 94

<210> 16651
 <211> 138
 <212> DNA
 <213> Homo sapiens

<400> 16651
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 ctctctggaa atgatcttcc tgccttggtc tcccaagttg ctgggattac aggtgtgagc 120
 cactgcaccc accccaca 137

<210> 16652
 <211> 137
 <212> DNA
 <213> Homo sapiens

<400> 16652
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 gtgagcttag cccaggtcc tctcgcttcc gggatagttt ccgcctgcag ccccaaggag 120
 ggtcctcggc gccccag 137

<210> 16653
 <211> 103
 <212> DNA
 <213> Homo sapiens

<400> 16653
 agccggctcg cccgggggcc atggcagcag cggctactgc agccgagggg gtccccagtc 60
 gggggcctcc cggggaagtc attcatctga atgtgggagg ccc 103

<210> 16654
 <211> 368
 <212> DNA
 <213> Homo sapiens

<400> 16654
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 tgctaagtag aagaaactag acacgaagga ctccatattg tatgaatccg ttcatatgaa 120
 atttcaaaac cgtatacaca gaatgcagat tagtgggtgc ctgggcctgg aaacacagat 180
 tggtcgcaaa tgggcacaga gaactttctg ggtagtagaa atgtcctaaa actggggtgt 240
 ggtgatagtt gcacaactct atgtttatac tagaagtcac caaaccatac aattaatttt 300
 tagtagagac ggggtnnrnt catgttggct aggttggctc caaactcctg acctcagggt 360
 acccacat 368

<210> 16655
 <211> 114
 <212> DNA
 <213> Homo sapiens

<400> 16655

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tcatactgtg cactccagcc tcatactgtg ctttaattcta ccacaacaaa caac 114

<210> 16656
<211> 96
<212> DNA
<213> Homo sapiens

<400> 16656
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gtgatctgg ctggctaggc ggggtgtccc ttctc 96

<210> 16657
<211> 137
<212> DNA
<213> Homo sapiens

<400> 16657
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attctgtact aatatgagaa tctcctagtt ggtgtgtcta tctgggtgct acccatccac 120
gtctatcccc ccaccac 137

<210> 16658
<211> 94
<212> DNA
<213> Homo sapiens

<400> 16658
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tctaattgtag cgcagtattg cactcccggc tgcg 94

<210> 16659
<211> 83
<212> DNA
<213> Homo sapiens

<400> 16659
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gtagagcacc gaaaaccacg tat 83

<210> 16660
<211> 234
<212> DNA
<213> Homo sapiens

<400> 16660
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tctgccagag ttccaggcct gattttcaat tttgaggaaa gtgctaagac taaagagtga 120
atggttcttt tatgagtact gacacaagga ctccaggcca cacatatctt cttgaaagcc 180
cttttctgt ttgaaaaaaa gatcgtttgt atttgataga gcaaaagaag acaa 234

<210> 16661
<211> 99
<212> DNA

<213> Homo sapiens

<400> 16661

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tcgtgttcgc tacgtttcct ctggaattag cccacactg 90

<210> 16662

<211> 90

<212> DNA

<213> Homo sapiens

<400> 16662

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cggggggaga ttctgctcac ggaactgcag 90

<210> 16663

<211> 79

<212> DNA

<213> Homo sapiens

<400> 16663

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atggagatgg agcaacggg 79

<210> 16664

<211> 199

<212> DNA

<213> Homo sapiens

<400> 16664

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ttattggata ccagacatgt ggcattgggtg ctatttttgc tctgctataa atatttttga 120
actttattct gagattgtgg tgggtaatat tgagtgttaa ctcgattggg ttgaasnatg 180
caaagtattg ttctgggggt 199

<210> 16665

<211> 107

<212> DNA

<213> Homo sapiens

<400> 16665

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gctgatctgg ctggctaggc ggggtgtccc ttccctccctc accgatt 107

<210> 16666

<211> 69

<212> DNA

<213> Homo sapiens

<400> 16666

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aagcactgt 69

<210> 16667

<211> 59
 <212> DNA
 <213> Homo sapiens

<400> 16667
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<210> 16668
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 16668
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 aaaggatgac tttttaaatg atctatttkt gtagttgtta tctattgagc atattttggg 120
 tgtaggcttg gttaaaaaag tgggtcttgg ctgcgcgtgg tggctcacgc ctgtaatccc 180
 agcacttttg gaggccgagg tgggcagatc rsgaggtcaa gagatggaga ccatcctggc 240
 caacatggtg aaacctgtct ctattaaaaa tacaaaaatt agcgtggggg tgcgtgcctg 300
 taatcccagc tactcggggg sm 322

<210> 16669
 <211> 113
 <212> DNA
 <213> Homo sapiens

<400> 16669
 aaattgtata cagtttttat tctaaccact aactaggtag tgtatgcccc ttcagaacat 60
 gcagagtgtg tcttttttta aatttctcct tccgtttctt aagtattgcg cag 113

<210> 16670
 <211> 292
 <212> DNA
 <213> Homo sapiens

<400> 16670
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 cntctcggrv rttaaccgcg attctggtgg gtctagagga aattggggga cgaagagtgg 120
 cagcactgac ctggtctggg acgtggggag aaggtagcat ggggcgcaag ttggacccta 180
 cgaaggagaa gcgggggcca ggccgaaagg cccggaagca gaagggtgcc gagacagaac 240
 tcgtcagatt cttgcctgca gtaagtgcg aaaattccaa gaggctgtca ga 292

<210> 16671
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 16671
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 accacaggtg tgagccactg tatctggcca aaaaaatttt wttatttttt gtagagacag 120
 ggtctcacta tgttgcccag gctggtcttg aactcgtgac ctcaaatgat cctcccggcc 180
 c 181

<210> 16672
 <211> 132

<212> DNA
 <213> Homo sapiens

<400> 16672
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 gtggtcgtgg gtmaagacaa gggcgsgag cagcggtca tctcgmtgmc tctatccgc 120
 atccgggtct at 132

<210> 16673
 <211> 226
 <212> DNA
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<400> 16673
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 ctatctttct ctctctttcc aatcttacgc catggccatc agttcattc agccttccag 120
 tgctacaccc acttcttggc tgacacactt ctgctctaag gtgactggtt ttcttgccaa 180
 ttttcaaaga gtggtactaa cccccaaccc gctttccgca cccct 226

<210> 16674
 <211> 97
 <212> DNA
 <213> Homo sapiens

<400> 16674
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 kactcacagg tgacccacgg agtcagyrca gggcabk 97

<210> 16675
 <211> 124
 <212> DNA
 <213> Homo sapiens

<400> 16675
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 cacttaaaat gttcatatga taggaaaata atccttccca aaggagtgt gtgttcccaa 120
 gatt 124

<210> 16676
 <211> 120
 <212> DNA
 <213> Homo sapiens

<400> 16676
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 gaggctggcg gttaccttct ttggggagac gcgtccgact gcttcattgt gggggccata 120

<210> 16677
 <211> 84
 <212> DNA
 <213> Homo sapiens

<400> 16677
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ggtctctctt ccttgctccc ccta

84

<210> 16678
<211> 190
<212> DNA
<213> Homo sapiens

<400> 16678
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cccaggcagg tggtaactt tgggcctggg cccgcccaagc tgccgcactc agtggttgta 120
gagatacaaa aggaattatt agactacaaa ggagttggca ttagtggttct tgaaatgagt 180
cacaggtctt 190

<210> 16679
<211> 100
<212> DNA
<213> Homo sapiens

<400> 16679
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ggaaaaacgg tacattgctt cttatttagc actcgcccgt 100

<210> 16680
<211> 127
<212> DNA
<213> Homo sapiens

<400> 16680
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ggagactttt ttttcttcac aggcattgctc ataaaggaaa ggttaaaaaa agtaaaagga 120
actcggc 127

<210> 16681
<211> 134
<212> DNA
<213> Homo sapiens

<400> 16681
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aaatctgaat gaatcaggaa gtagtttggg agcttgccggg ttagtagtactg tcttcagaat 120
cagcattggc cggg 134

<210> 16682
<211> 122
<212> DNA
<213> Homo sapiens

<400> 16682
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aaatgtcgaa tttggttggg tgccgtrrct tgcgcctgta atcccagcac tttgggaggg 120
tt 122

<210> 16683
<211> 123

<212> DNA

<213> Homo sapiens

<400> 16683

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agactctaaa gcaaacaaaa atcatctcgt tcagcccatg catcttccac gtgaggacgg	120
cta	123

<210> 16684

<211> 122

<212> DNA

<213> Homo sapiens

<400> 16684

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ttgatttgca tttctttaat aatcagtgat gttgagtttt tcttcatatg atcatcggcc	120
ac	122

<210> 16685

<211> 71

<212> DNA

<213> Homo sapiens

<400> 16685

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<210> 16686

<211> 348

<212> DNA

<213> Homo sapiens

<400> 16686

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gctggagaga aacagcaggc gcggggcgaa ggagctgcta gaacaatgct gaggcgggtg	120
aggtgaggag cagccctcgc cggcagcccg acagagtgtc tggaacaggc gattggagga	180
gccggagacc caggcacctg ggcatacttc cctcgcctc tgccaggccc cgcgccccta	240
aaaggtggga aaaccatggc gaccaatttc agtgacatcg tcaagcaagg ctacgtgaag	300
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<210> 16687

<211> 116

<212> DNA

<213> Homo sapiens

<400> 16687

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tatttttgtt gaaccttctt gagaattcag agaaactgct gaggtagcac tacacg	116

<210> 16688

<211> 119

<212> DNA

<213> Homo sapiens

<400> 16688
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 aaggagctca aacaactcta taggaaaaaa ataaaaataat cttatcaaaa agtggggcaa 119

<210> 16689
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 16689
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 ggagcgccaa cccctccagc agaggggacg tggctggtgg ctggagaagc tggatttgcc 120
 ctttgatggg ggccctcttg atccccggct tgctgaagtc aaagtatcag tagcaaattc 180
 aaaaactaca gaatcagctc cagcggac 208

<210> 16690
 <211> 149
 <212> DNA
 <213> Homo sapiens

<400> 16690
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 tcagttacat tcttttctat acggggtat 149

<210> 16691
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 <212> DNA
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<400> 16691
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 tcgggggcag cggcgagggc tccgggcgag taagggggat ggtccatgct gaggcccaaa 120
 tggggcgaac tcgcgagagt ctctggcgac ctggatcaga t 161

<210> 16692
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 16692
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 t 181

<210> 16693
 <211> 238
 <212> DNA
 <213> Homo sapiens

<400> 16693
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 agagtagctg ggattacagg catgtgccac cacaccaac taattttgta tttttaatag 120

agacaggggtt ttgccatggt ggtctggctg gtctcgagct cctgacctca ggtgatccgc 180
ccacctcggc ctcccaaaat gctgggatta caggtgtgag ccaccgcgcc cagcccag 238

<210> 16694
<211> 378
<212> DNA
<213> Homo sapiens

<400> 16694
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cccggggagt ctgagggaag ctgcagggcg cctggaattg ggtctcag tgagccggtg 120
aaaaccgcct cccgctgagc gtcccgggaac aaatactgtc tgaactgagc cgtaagcaag 180
aaacggtcag gagaagctgg ggcgatctga tgattagaac atttcaggga ctaccagaga 240
gaagtgcgta attgctctaa ggcaggtagg taattggcct ggaaacttgg gaacgccccg 300
ccccccacc cgaactttcag caaaccaccg tgcccaggaa aaagagcgat tgtggaagac 360
cctgtdaaga agagacca 378

<210> 16695
<211> 207
<212> DNA
<213> Homo sapiens

<400> 16695
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tctatggaat aaagcgtcgc ctctctgcct cgaaccagtc aaatggagta ttgcggctgc 120
acgtcacact aggggtggcca cccccgccat tgcgagccac atgtctgcac tgagaaactg 180
cakktcagta gcatttgcga tccagcc 207

<210> 16696
<211> 143
<212> DNA
<213> Homo sapiens

<400> 16696
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cgcacactgc cgtttctaac attttccgtg gctttctaga tgacctgttg ttcatgcact 120
tcacttagtg ccctcttga cta 143

<210> 16697
<211> 136
<212> DNA
<213> Homo sapiens

<400> 16697
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cagcctggtc gacgat 136

<210> 16698
<211> 312
<212> DNA
<213> Homo sapiens

<400> 16698

004220-6664560

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cttaacagtt	ttcaggaagg	atgcattttg	ctgctattct	tgctttttca	ttattaatta	120
tgatgacttt	atctccatta	ctaccaatth	aatttgctgt	ggggtgttaa	tgccacctta	180
tgtggcattc	catatgtcct	ttggcactcc	aatgacagat	acttcctttg	cattggatat	240
ctttggggat	aggctttaag	accacaagt	tctatggttt	ctaggatgaa	actccatact	300
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<210> 16699

<211> 323

<212> DNA

<213> Homo sapiens

<400> 16699

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aatgaaatct	gtaggctaga	cagtatcttg	tatttgcaaa	ctaatttaat	ttttccattt	120
caattttaca	aactggaggg	tctggccggg	tgcggtggct	caagcctgtr	atcccagcac	180
tttgggaggg	cgagacaggt	ggatcacgag	gtcaggagtk	cgagaccagc	ctggccaaga	240
tggtgaaacc	ctgtctctac	taaaaatata	aaaatttagcc	gggcgcagtg	gtaggcacct	300
gtagtcccag	ctaccggga	gtc				323

<210> 16700

<211> 165

<212> DNA

<213> Homo sapiens

<400> 16700

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gacggcgaga	ctgagatcct	ggtgtcgtgg	gcacctgagt	tctagcttcc	cccagcgagc	120
gcgctgcctt	tcgtgcctag	gagagagcgg	netcttcccc	ggaac		165

<210> 16701

<211> 162

<212> DNA

<213> Homo sapiens

<400> 16701

ctagaagtaa	aaagtttcaa	aatcacttg	agtacatttt	ggaaaatggt	gggtaaatga	60
atagtactta	gagtcaagat	gtccttaaag	ttgatttcac	aaacttctgg	tatatcacca	120
tgtttcttaa	aagagaataa	gtaacaattg	tggaaggaac	tt		162

<210> 16702

<211> 118

<212> DNA

<213> Homo sapiens

<400> 16702

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cgcccgcttc	ggcctcccaa	agcgttggga	ttacaggagt	gagccaccgc	gcccggca	118

<210> 16703

<211> 118

<212> DNA

<213> Homo sapiens

<400> 16703
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aataaatcag attaaaaaga caaaagtata aaagtaatgt gtgtctgcac gggtaggg 118

<210> 16704
<211> 92
<212> DNA
<213> Homo sapiens

<400> 16704
gccttcgcat ggggaaacgg gctgggtgcag tgggtgcatc ttggctcagt gcagcctcga 60
cttcctggga tccagcgatc ctcccgtta ac 92

<210> 16705
<211> 402
<212> DNA
<213> Homo sapiens

<400> 16705
tttgctgaac ttccaaatt ggcacatatg agtaaggtag cacacacacg cgttcacacc 60
ctcaccocgt gccatctctt gcagggtccc aggcttactg ggaagctctg cctgacatca 120
caacatcaca gcatgcattg aagtccagtt tcatcaaaaa tcacagcttt atttttaacc 180
gatgaacttg gtatttggtt tatccaaata ctccaagtat taattcaacc agatctttct 240
cattgcctca aacaatctta ttccaaactg aaactgtaat tcatgtgccca aaaacatttt 300
gaattacaga catttgtctg taggagattt tgggtggttta ataataaaaa aatgagaaca 360
ggaatcagaa atatgaacag ctttatgttc agatcwtat ca 402

<210> 16706
<211> 147
<212> DNA
<213> Homo sapiens

<400> 16706
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tacattgctg tcttcatctt ggggaactaa accaaccaca ggcaaaaatc ctttgagcat 120
tgattgccac tcataaaggc caggttt 147

<210> 16707
<211> 259
<212> DNA
<213> Homo sapiens

<400> 16707
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gggtcgccga gctaaccocgt ggctaggcga gtggggcggg gcggccggca ccatgtcgag 120
gcaggcgaac cgtggcaccg agagcaagaa aatgagctct gagctcttca ccctgacct 180
tggtgccctg gtcaccagc tatgtaaggr statgaaat gatgaagatg tgaataaaca 240
gctggacaaa atgggcttc 259

<210> 16708
<211> 381
<212> DNA
<213> Homo sapiens

<400> 16708

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aatakctagt	gggtaaatct	gacctgttay	takaaatagc	tggtttgaaa	gctaatacta	120
kggattggta	atgctctttc	ctcaaagcac	aatacagatt	tatcatgctt	ttcctttggg	180
gtagatgaag	tgctgacata	acaattcatt	gcagwwatca	gcctgttcaa	atccagaagg	240
acaaactact	tcagaaacac	tttgccctctt	taaaggcaat	ttttagagct	gttgaactct	300
ggaactttgt	tcgaagtatt	tcctcgttta	agaaaccacc	ttaaataaat	ctatcttgtg	360
accttcaatt	ctcatcccca	a				381

<210> 16709

<211> 207

<212> DNA

<213> Homo sapiens

<400> 16709

aaaagtagtt	rrttttttgt	gatagcttga	gatataattc	acatattata	caatkkgcca	60
tttaaagtat	acaatttagt	ggtttttaat	gtattcacag	agctgtgcaa	ccatcaccgc	120
attcaatttt	agaacatttt	cctcaccagc	aaaaaaaaacc	ctgtagcctg	tagcgggttaa	180
cctcttccca	tttattccca	ccagcca				207

<210> 16710

<211> 231

<212> DNA

<213> Homo sapiens

<400> 16710

gtgaatgaaa	gtacggggtt	tagttggaag	tagcaaaaat	cgtgagggtg	atttgggaaa	60
cactgctatc	tgggaaacac	tgaactctga	agtgcatac	tcttttgagc	ccagtgacta	120
cagcatgcca	gacccctaaa	tcaggacctg	gggaggagcc	atggagttaa	catttcagac	180
tgagtgggtg	cgagaaaacg	caaagggaaa	gacttgaaac	tctagcaacc	a	231

<210> 16711

<211> 180

<212> DNA

<213> Homo sapiens

<400> 16711

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accacaggtg	tgagccactg	tatctggcca	aaaaaatttt	ttattttttg	tagagacagg	120
gtctcactat	gttgcccagc	ctggtcttga	actcgtgacc	tcaaataatc	ctcccgcctc	180

<210> 16712

<211> 69

<212> DNA

<213> Homo sapiens

<400> 16712

taaatagaac	accaaataaa	tcatttttct	tttttttctt	ttcttttctt	tttttttttt	60
ttttttttt						69

<210> 16713

<211> 213

<212> DNA

<213> Homo sapiens

<400> 16713
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 acttcacaca ttagctgaca cttaactgtt ctggaagctg ggccaaggag tgctaacatg 180
 gaaattgagt aactatagtt ttttgcccaa gga 213

<210> 16714
 <211> 60
 <212> DNA
 <213> Homo sapiens

<400> 16714
 ctacatactt gcaggtagtc cacaaattcg gctctgaatt tttttttttt tttttttttt 60

<210> 16715
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 16715
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 ctagtagtgt gtgagaaaag aatagaagtg aaatttgcat aatgaatgta aaagggaat 120
 aaaagtcttt tgaaggtagc tatactagca cttttgatca tcttcatggc ccac 174

<210> 16716
 <211> 187
 <212> DNA
 <213> Homo sapiens

<400> 16716
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 agagagagag gtggacagat ctgagagagt gaggtagaac caccaggaat cggggatttg 120
 gctggatgtg gaggggtgaa ggaggggcct caggctggct ggcagtgcc cttgccaaga 180
 aaggggg 187

<210> 16717
 <211> 119
 <212> DNA
 <213> Homo sapiens

<400> 16717
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 gctgatctgg ctggctaggc ggggtgtccc ttcctccctc accgctccat gtgcgcccc 119

<210> 16718
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 16718
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 gcggaagagg gcggagggtg gtgggatggg gvvtcccgcg gcagcgthn aaactccggg 120
 tgggcgtcca tgggtctgct gcgctgacag ggctgwrage agccggcctt ccgctctcac 180

cagkkccgcg tcggaataga cggtcact

208

<210> 16719

<211> 327

<212> DNA

<213> Homo sapiens

<400> 16719

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ggtccggcag	msagaaggag	gcggggattg	gcagascggg	tgggaratgt	ttggggatgg	120
gtaggggagg	tggtgagagg	ttggagttsa	takgaggggg	cgcggttg	aagggttgaa	180
tggcaaagg	ataggsagt	gatggtgtg	cttgggggys	cgttcatggg	cgtggtttg	240
cgggggccag	ctggggcccc	acttcggtac	tccccctcct	tcccaggtcc	tccagccctt	300
ctgcgacttt	ccagaaatcg	tagacag				327

<210> 16720

<211> 145

<212> DNA

<213> Homo sapiens

<400> 16720

gataatttg	tgccggcgctc	cggaggggtgc	tggtttgttc	tcggtgaacg	gcgcgcgggg	60
tctctcctga	gtgcgagcta	cgggaccttc	gccatgccgg	ggatggtact	cttcggccgg	120
cgctgggcca	tcgccagcga	cgaga				145

<210> 16721

<211> 436

<212> DNA

<213> Homo sapiens

<400> 16721

tcaccccatc	cctccacaca	caaccaccac	ttsgaaattc	ttctgatttg	atggttgkgt	60
tccctgtttt	cattttgagc	caagcttaag	ggttgccagc	aggtggcaaa	cctaatttta	120
cattccaagt	tatcagaaaa	tcctcacagg	tggtttgtca	tgcacstgca	aaaaaaaaaa	180
attgtatgga	tggcagcagt	ascgctgaaa	ttctccatga	aaattggatt	ctctctyccc	240
kgaacttaaa	caaatgcyca	ttkgtaaaact	atatagctcc	acaactattc	tctaaagrgg	300
adtcagttat	catccccctta	agtaaaacttt	ttttctgtgg	ccgtwaggta	aatacsgtcc	360
tkggacttaw	kgagtacatg	kgttttgtwaa	tgtycggctc	tgagcgggag	agcatggcat	420
gaatgggcac	atgtga					436

<210> 16722

<211> 184

<212> DNA

<213> Homo sapiens

<400> 16722

accagatggt	tggtttattc	cattttgatg	aaacagagct	gttgtttttg	aagtcattat	60
ttttctagaa	atggcgaaatc	ttttaaaagaa	aattacttaa	tggaagggtg	tggaagggtg	120
tttttttggt	tttttttttt	ggttttttgtt	ttgtttttcc	tcttttaagg	gatagtagca	180
ggat						184

<210> 16723

<211> 339

<212> DNA

<213> Homo sapiens

<400> 16723

ctccctagat	gtgtggcctt	ggccaaggta	cttaactctc	tgggggtaac	agtccatacc	60
tacctcacag	gattattatg	agaattaact	aagtgaataa	gtgtaaagta	cttgaaacag	120
gtctgcttta	caagaagggc	ccaggtcacc	ttagcaatca	cgtcgcttct	gaccgaggct	180
ttcttgtgta	actgggcttc	tctgtctcct	ttaaactctc	acattggtgt	tgagcttccc	240
tgtttgtgta	tctgggcacc	ttccatctcc	cctgggctcc	cctcacctcc	gtgaagccac	300
cagctccagg	agggcacaaa	gcacagctcc	caccacac			339

<210> 16724

<211> 181

<212> DNA

<213> Homo sapiens

<400> 16724

agttatactc	agagatgaga	aagacgacaa	tgggcaaatt	ccgggagtc	ggggcagga	60
gaaaggggac	cttaaggatc	tccagccgtc	ccgccccgcc	cactcgagca	gtccctaccc	120
gcctcccaag	acgcctggga	agagcagtgg	aaccaggagg	agcacgaaca	gcaaagagga	180
t						181

<210> 16725

<211> 162

<212> DNA

<213> Homo sapiens

<400> 16725

gaggaagtgg	agggtttggg	tcccaggaca	ggaagcttgg	ggctggagtc	ccagcatccg	60
gactgcaaca	atggaagctt	caagcaccag	gaaaagagac	agagacagac	agaggcacag	120
gagagcaaaa	cagggtcggg	gatggaatga	gaaacagagg	ct		162

<210> 16726

<211> 292

<212> DNA

<213> Homo sapiens

<400> 16726

cactaaattg	ggctaggtgt	ggctcatgcc	tgtaatccca	gcactatggg	aggctgaggt	60
gagaggatca	cttgagccca	gaaggttgag	accagcctgg	gcaacatagt	gagaccccat	120
ctctacaaaa	agttttaaaa	ccagggtatg	tggtgccctc	ctgtgggtccc	agctactcgg	180
gagtctgagg	tgggaggacc	acctgagccc	aggagactga	ggctgcagta	aggtgtgatt	240
gcactattgc	tctctagcct	ggaaaacaga	gtgagaccct	atctcaaaaa	aa	292

<210> 16727

<211> 204

<212> DNA

<213> Homo sapiens

<400> 16727

aggaccgtgg	cyatggagtc	cggcgtggca	gcgccaatcc	ctggccaaag	gtacttgggg	60
tcattttccg	cgggggggta	cgtgcgggag	cgtgtcctcc	acaaacggat	tttccccct	120
taagcggact	tatttccatc	cggagtgaca	gaatttaatt	ccaaaccgag	agctttccag	180
actgacgaat	ttttaccggg	acag				204

<210> 16728
 <211> 216
 <212> DNA
 <213> Homo sapiens

<400> 16728
 ataagaggga gtstatggcg ctggaggccc agcaaggcca gtgtggttta gcacagatcc 60
 ttgctgtgga cacagagttg ggagtccttg gcagacagac agcagattct gcagctctgt 120
 gagtgaccag gctcacctgg gagagagggg gagaagagga cctggtttct agcatgtgga 180
 ggtgggggtg gggagaaggc agagcaaggg agacta 216

<210> 16729
 <211> 115
 <212> DNA
 <213> Homo sapiens

<400> 16729
 tataaagatt caaaagagaa acaactaaat agttaattgt tactaaccat agatatgtgg 60
 ttaaaactca aagaaatgca agaagttatt atcacaggat agaaattacc ccagt 115

<210> 16730
 <211> 77
 <212> DNA
 <213> Homo sapiens

<400> 16730
 acagcctctc caaacctgag tgggaagaca ctgagttcca gtggattcaa cacacagaag 60
 cgtggattga agtgaga 77

<210> 16731
 <211> 382
 <212> DNA
 <213> Homo sapiens

<400> 16731
 gccgggcgcg gtggcgcgtg cctgtagtcc cagctactcg ggaggctgag gctggaggat 60
 cgcttgagtc caggagttct gggtgtagt gcgctatgcc gatcgggtgt ccgcactaag 120
 ttccggcatca atatgggtgac ctcccgggag cgggggacca ccagggtgcc ctgcctagtt 180
 ttccctttgac tccagcctcc tcataaaactt ccctcacggc agcaccgcca ggttcctcct 240
 cgggttccat tctcctcctt gggacaatcc actgggtctgg gtaccggctg ctactacca 300
 gcagcacstc gtctcctctg aacctcttta gcctcagctt caccggtacc agtccaacc 360
 cctgtgttgg ctccatcatc aa 382

<210> 16732
 <211> 285
 <212> DNA
 <213> Homo sapiens

<400> 16732
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 akcagaatct ctgttcaact ttttcatttg ggactaagtk ctttacactt ggctgtattc 120
 tggagaactc tgatacatga aattgaatct taaattctca ttttttccct aaattctaag 180
 aaaagtgcag gcagattggt tttcttcctt aaatgtaagc tgaacagctt aggggtcagc 240
 cccttggtgc ttttacctcc tgggggagac ttctcakaga ggatc 285

<210> 16733
 <211> 168
 <212> DNA
 <213> Homo sapiens

<400> 16733
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 attacaggca tgagccacca tgcttgccc atggaggatt atattgaaag attgatagca 120
 taacagaata aaaggtgaaa atgccctttt aaatctcctg ctctggcc 168

<210> 16734
 <211> 84
 <212> DNA
 <213> Homo sapiens

<400> 16734
 aagactatac tttcagggat catttctata gtgtgtkact agagaagttt ctctgaacgt 60
 gtagagcacc gaaaaccacg ttgg 84

<210> 16735
 <211> 425
 <212> DNA
 <213> Homo sapiens

<400> 16735
 agagaagccg ctgtccttcc accaccagca ccggaccacc tgcctccaaga ccagcctcct 60
 ggggggacca cgcacccggc cttcactggc acccaggag cgcctctcag cagcgtcaac 120
 atgtcaaggc ccagcagcag agccatttac ttgcaccgga aggagtactc ccagaacctc 180
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 ggccgggtgt ggagccaaga cttgatttgc ttcttggtga gcagggtac cccacaggcc 360
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 tataa 425

<210> 16736
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 16736
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 gaagatgagt tatatgcac aaggtgacag gtgacggcat ggttatggat taactacca 120
 aggaaatgag tgtggaaaga agaatgcaga watctgaggt tc 162

<210> 16737
 <211> 124
 <212> DNA
 <213> Homo sapiens

<400> 16737
 cttacagagg tcgctcttgt ccgaacggtc ggcctctgct gcgcctgcgt ggtcgggagg 60
 ggaagtragg cggtttcctc ggccgctttt ccggywgcgg cggcggcaga vstgggagga 120
 kgtg 124

<210> 16738
 <211> 402
 <212> DNA
 <213> Homo sapiens

<400> 16738
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 agaatgtgtg aaaagtgtga gaatggagcc tcatggggga ggctctccca ccccatgtcc 120
 tgatttgac aaggaatccc acacacctca tccagataca cagaggctca tgactgagtc 180
 tcttgacaaa ttatTTTTTg agggTgcata cTTTTTgct gtgaatttcc aaatgtttgc 240
 atttctaagg ccacatttgt gacacagaga tcagatcctt tctgacacaa tgtaactggc 300
 aggtcctaata gagctggggg caccgggaag cattttaagt ggtagcattt ctggaaatat 360
 tgagatgagg tcgggggaaa gaagcttttt cttcagggcc ca 402

<210> 16739
 <211> 141
 <212> DNA
 <213> Homo sapiens

<400> 16739
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 cactgaacc tccgtctccc gggttcaagc gattctcgtg ccthagcctc ccgagcdket 120
 ggbattacac aggcgcceaa g 141

<210> 16740
 <211> 140
 <212> DNA
 <213> Homo sapiens

<400> 16740
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 aggaggggtt ttgaaaggta aaggccatta gcttggaggc agaagacaga ytccttgac 120
 tgctgaattc ccgcgggcca 140

<210> 16741
 <211> 119
 <212> DNA
 <213> Homo sapiens

<400> 16741
 aatggggcct tcttgagctg gtgtgaaagg gagcgggcgt ggggmsgaga gatacaggct 60
 ccacactcac actctctggt gcagttgatc gttttcttaa accaaattac ccggggccc 119

<210> 16742
 <211> 169
 <212> DNA
 <213> Homo sapiens

<400> 16742
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 ggaggagtgt gcggaagcac ttggaactcc tttataagtgc tcagctgtga ggtaaaaact 120
 gttgatgaga tcttgtgggt tttgttttgg gttcactaat ttgggcggg 169

<210> 16743
 <211> 116
 <212> DNA
 <213> Homo sapiens

<400> 16743
 aatcttggtt gtttgagtga atcggaagagg aggcgcgggc tgtggcgggc gcgggagctg 60
 ctcggaagct acacctcgca agggctcccc cttttcccca cccctcccc cgacca 116

<210> 16744
 <211> 116
 <212> DNA
 <213> Homo sapiens

<400> 16744
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 cagtcggctc cgggaagccg cgcgrcgacg ggggaggcct tcactaaagg ggacaa 116

<210> 16745
 <211> 133
 <212> DNA
 <213> Homo sapiens

<400> 16745
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 aaataacagg gctatccccg aattggaaat atttcttttt tcaggatgct atagtcaatt 120
 tagtaagtga cca 133

<210> 16746
 <211> 135
 <212> DNA
 <213> Homo sapiens

<400> 16746
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 gaggtctggg caggaggatc acttgaggcc aggagttcaa gaccagcctg gctaacaagg 120
 tgaaacccca cctct 135

<210> 16747
 <211> 163
 <212> DNA
 <213> Homo sapiens

<400> 16747
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 gctctaaaaa ttagaaagac ttccaaccaa ttagttacaa tattcacata cattcatttc 120
 aaaaataaat tttggacatc tgtagcaaga cactgtgcta gct 163

<210> 16748
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 16748

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gtcccaattc	tcccatgtga	acttaggccg	cacatttcga	ggaagtaa	tttcttcctc	120
tggcaa	atgc agctagccag	tggaccctt	ctctccctcc	aaacttcgca	ctccacacct	180
tagagtctgc	ccaggtacag	cccaattgtc	agggcatact	caaagcagct	tccatgactc	240
t						241

<210> 16749
 <211> 143
 <212> DNA
 <213> Homo sapiens

<400> 16749	
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gatggcggag	actctgcccg
gggcgttgcg	gagactggga
ccc	

<210> 16750
 <211> 352
 <212> DNA
 <213> Homo sapiens

<400> 16750	
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aatttattac	aacttgacag
tagttaatat	ttcatctttt
agtgtcagga	tggtcaaagg
cacatgattt	tattgtattg
aattttcta	atytattgaa

<210> 16751
 <211> 205
 <212> DNA
 <213> Homo sapiens

<400> 16751	
ggcttttttg	aggtgtctcg
atagactatt	tttcttgctc
atgaggccca	aagcaagaaa
aaaggcaatc	taccaagtac

<210> 16752
 <211> 214
 <212> DNA
 <213> Homo sapiens

<400> 16752	
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gtttttggcg	gaactaccag
gtcaattttc	ctttctttct
ctttattttt	tttttaaaat

<210> 16753
 <211> 215
 <212> DNA

<213> Homo sapiens

<400> 16753

tgaaggtcaa	gcwaaatgaa	gctactgtaa	gaaattacct	ggagttggcc	acacagtggc	60
tcacgcctat	aatcccaaca	ctttgggagg	ccgaggaggg	cggatcgctt	gagtcaagga	120
atgtgagacc	agcctgagca	atagggagac	ctcatctcta	caaaaaataa	acaaaatcag	180
ccagacatgg	tggtgcacaa	ctgtggtccc	aaccg			215

<210> 16754

<211> 96

<212> DNA

<213> Homo sapiens

<400> 16754

tgatcctgtg	tcattacagc	ctttgttacc	acataagata	akrrgttgca	tacatttacc	60
atctactttg	taaagaattg	ccctggctgt	gtaatt			96

<210> 16755

<211> 357

<212> DNA

<213> Homo sapiens

<400> 16755

agamataaga	cccagagaca	aagtatagag	aaacaacagt	gggcccagga	gactggcact	60
tagcatacca	aggacctgca	ccagcactgg	tctccgagtt	ccctcagttt	ttattgatta	120
ttattttcat	tatctcagca	caaggaatgc	ggtaggagag	cagggtgata	ataaggagaa	180
ggtcagcaaa	aaaacatgtg	agcwwaggaa	tctgtgtcat	acttaagttc	aaagggaggt	240
actatgcctg	gatgtgcacg	taggccagat	ttatgtttcc	ctccgcccac	acatctgtgg	300
agtaaagcat	aacaaggcag	cattgctgcn	aacatgtctc	gcctcccgcc	atagggt	357

<210> 16756

<211> 441

<212> DNA

<213> Homo sapiens

<400> 16756

agtcccmnra	tagttcaggc	ctggcgggcg	cttccaagct	aaggaacggt	ttggggcagt	60
gtcgttcccg	gaggtcggcc	gccgttaccc	gtccaccagc	tacgcggcgc	gtcaggtccg	120
cggaggcgcg	ggctcggggc	gcctgcggga	cggtagggcc	ctgctgagga	ctccggacac	180
tgcccatctc	taagataaga	acctggaaa	gggactctgt	tggccattgg	aaattgcaga	240
ataatgtctc	aggtgacatt	tagtgatgtg	gctatagact	tctctcatga	agagtgggca	300
tgccatagatt	ctgctcagag	ggacttatac	aaggatgtga	tggtccagaa	ttatgagaac	360
tggtctctgt	aggtctttcc	gtaactaagc	catatgtgat	catgttattg	gaggatggaa	420
aagagcctgg	atgatggaga	a				441

<210> 16757

<211> 143

<212> DNA

<213> Homo sapiens

<400> 16757

caactaggaa	gttggctcag	aagcagccac	cttttaaaga	gtgcgtaata	gctcactagt	60
caagagacct	tgcgccaaca	atttaacggg	actaaaacac	gataccgaag	ccgcgggtaa	120
ttatatttac	gttagagggtg	cga				143

<210> 16758
 <211> 417
 <212> DNA
 <213> Homo sapiens

<400> 16758
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 acaatatgaa tacagggcat gcattttgca gcagttagtc tcttcagaaa acccttttct 120
 acagttaggg ttgagttact tcctatcaag ccagtacgtg ctaacaggct caatattcct 180
 gaatgaaata tcagactagt gacaagctcc tgggtcttgag atgtcttctc gttaaggaga 240
 tgggcctttt ggaggtaaag gataaaatga atgagttctg tcatgattca ctattctaga 300
 acttgcatga cctttactgt gtttagctctt tgaatgttct tgaaatttta gactttcttt 360
 gtaaacaaat gatatgtcct tatcattgta taaagctggt atgtgcacag cgtggag 417

<210> 16759
 <211> 310
 <212> DNA
 <213> Homo sapiens

<400> 16759
 cattggaatt ttaaattgtat ttgctctttc agggaacaaa gacccttca tgtccctgtc 60
 tgttgcttta taatggtact ttcttaggaa tgaattaagt tcaaattgcag agaattgcca 120
 gcatataaaa cgcaaggatc agaaccctga gtttgaactc agccctgtg tacagcctcc 180
 gtgtggcctc tgtttaatta gatcgtgctg ctatagcagt tccttctagc tcagttgctt 240
 tgatgtagta cccaaatttt ggcctaaaag tgatttaatt agtaataatt tttaaagata 300
 taggatgtgg 310

<210> 16760
 <211> 121
 <212> DNA
 <213> Homo sapiens

<400> 16760
 agttttattgt tgtttcttgt aaattttaga attgtatttt ccattactgt gaagaaaaat 60
 gccactgaaa ttttgatagg gaattttattg aatctataga ttacttagat aataggacaa 120
 c 121

<210> 16761
 <211> 179
 <212> DNA
 <213> Homo sapiens

<400> 16761
 taaatccatg agtccatagt aacacagtcg gtatggaagt tgttagagaa tgatttattt 60
 ttaaaactgc taagtcagca ttttatcttt gttatatgag ctatactact gggtcaccaa 120
 ctagtttagt gaggtcattt ctctgtaaaa ttgtgccaag taaatgagat gagaaaggc 179

<210> 16762
 <211> 143
 <212> DNA
 <213> Homo sapiens

<400> 16762

cagattttta acagtcgtta gatattatgg atgtagtctg cttatttgga tattttaatt 60
 gactggattt gctttgtttc ttttccattt acagacttaa gaggtttaaca ttctgttact 120
 ttaattgata tcagcatgcg gaa 143

<210> 16763
 <211> 211
 <212> DNA
 <213> Homo sapiens

<400> 16763
 agagaggtga gtggatatct atttcagata gttttcagca tgagtcattg atttcacagc 60
 acatccagat gatcaagagt ggtgccaatc attgttaaag aaaatttggt ttgttttttt 120
 aaatgaatag agttgactat gtggcaaacg aatatttctg tattgtttgc ttcagcagtg 180
 ctgaagagtt ggaattataa atataacaca g 211

<210> 16764
 <211> 144
 <212> DNA
 <213> Homo sapiens

<400> 16764
 agtttgccag tatttttggg gggatttttt gcatacagct ttatcacggg tattgttctg 60
 tagtcctctt gttctgtctt ctagtttttg tatcagagaa atgctggctt catagaatga 120
 ttctggaagt gttccctgcc cctc 144

<210> 16765
 <211> 221
 <212> DNA
 <213> Homo sapiens

<400> 16765
 gttcaagacc agcgtggcca acatggtgaa accccatctc tactaaaaat agaaagatta 60
 gccaggcatg gtggcaggca cctgtaatcc cagttactca ggaggctgag gcaggagaat 120
 cacttgaact cgggaggcag aggttgagc gagccaagat tgcactattg cactccagcc 180
 tgggcgtcaa gagcaaaact ccgtctccaa aaaaaaaaaa a 221

<210> 16766
 <211> 183
 <212> DNA
 <213> Homo sapiens

<400> 16766
 attataacct tttttgttgt tttttccttt tactttcttt ttttcttgtg gaagccacaa 60
 gacaaggaaa aagcagaaaa tacagggact tcctattttt ttttccagtg cttccctgga 120
 aatagcgtta tgaacagaa catcattttc ctcacactga tctgaggaaa gcttgagctg 180
 acc 183

<210> 16767
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 16767
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tctctgagca	caaagtttta	ggctgtacac	agccagcctt	gggaatctcg	ttgagcgttc	120
ggcgtggatc	cacggggcca	ggccaccctg	cgggagcgcc	acacgcatcc	acttcggatt	180
cagtgggtga	agacagaact	ctgagagtct	gcaggcggtc	cctgtgcttt	ttatttctgg	240
ctcttcggat	gtcttctaga	catttactat	cactgcacct	gaagaaaaaa	tcacttttnr	300
bgnccataatt	taaaaagvcm	arrcagaaat	gtacgttcct	tcgctagctt	tagtctttct	360
gttcccatth	ttataaatct	gagcattgat	aatgttctat	ctaaatttgt	acagtgtgat	420
tttttttttt	agaataaata	ttttataaaa				450

<210> 16768
 <211> 218
 <212> DNA
 <213> Homo sapiens

<400> 16768	
ctaaagaaac	cayacattaa
gagcttagtg	ggctaggatt
gaaatactac	aagagttgtg
60	
cttaaacctt	cagagagttg
cttcttcaga	agtggcttta
atgaaaagtt	aaacatggga
120	
gctgggttag	ggaggtggga
tagaggaaga	gagcagttag
tttgggtttc	ctcttttagcc
180	
agcccattht	gggctcctct
tagcaattta	tgggcaga
218	

<210> 16769
 <211> 137
 <212> DNA
 <213> Homo sapiens

<400> 16769	
agtatctgtc	cacctgtggg
tgcagccaca	ttcttctcta
ctcttcaaaa	ataagtcgga
60	
ataacttcca	gtttacggag
atataggaca	aggcaagaag
ggtggaagaa	ggcataagag
120	
atcctcacgt	ggcagtt
137	

<210> 16770
 <211> 298
 <212> DNA
 <213> Homo sapiens

<400> 16770	
atcgatgtga	gcagaaatca
ttgactaatg	agtagaattt
acttgaatsa	gmmaattggt
60	
acccttgtgc	ataaagagag
agatgtatta	tctattactt
gctaaaagta	agagtcttas
120	
gaggaatgtc	attacacagc
ttttaacagt	tttcttcaag
tttgtcctga	aatagggtca
180	
cagttaatac	tattcagtag
aagataggac	cctagagctt
caatacagcg	ttctgtgttt
240	
tctgtttgaa	ttgaagcctt
aaaatgggtt	gaymaggatt
ttctatatgc	ctccacaa
298	

<210> 16771
 <211> 86
 <212> DNA
 <213> Homo sapiens

<400> 16771	
ccagactgga	gtgtagtagc
acaactatgg	cdaagtgcag
ccttgacctc	cctgggctca
60	
gatgattggt	ccattgcagc
ctccca	
86	

<210> 16772
 <211> 357
 <212> DNA
 <213> Homo sapiens

<400> 16777
 accaagatgg ctgaggagag ggcggaagtg tccgcacgtc gggstccga ggcttctctt 60
 tctcccctgg cgggccggct ctcgatggtg gcgtgacggg gggg 104

<210> 16778
 <211> 144
 <212> DNA
 <213> Homo sapiens

<400> 16778
 cgtcattcca aaaccacacc cttgcaaagc tttgtactcc gcaccccaga tgatctccag 60
 gcagctcaga tctctttcct gcctttgccc tgcactgttc cccggtactt cctcctttat 120
 tgtagcactc agctccccag ccga 144

<210> 16779
 <211> 196
 <212> DNA
 <213> Homo sapiens

<400> 16779
 gaaaggagag gagatgattt gtacacaaat gtgacaatct cattagttga gtcactgggt 60
 ggctttgaga tggatattac tcacttggat ggtcacaagg tacatatttc ccgggataag 120
 atcaccaggc caggagcgaa statggaaga aaggggaagg gctccccaac tttgacaaca 180
 acaatatcaa gggcgc 196

<210> 16780
 <211> 145
 <212> DNA
 <213> Homo sapiens

<400> 16780
 gaatagagac cccggaggcg cgtcctagcc ctcatctggg gaagcgcacc tgcatacaga 60
 cgggtgcacc ggggaggagg cgatctgccg cgtgttcttg caagcagaaa aggagtwaac 120
 tagtgtcaca tttgaagacg agcac 145

<210> 16781
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 16781
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 ggtcccttgc tatttataat cttttgggg tagtgacgtt cttatttaca catcatttgc 120
 agaaataatg gtaactacca tttgtgtatc agaacaattt tcacatatct aatttttata 180
 gcaattaagg taggtagaag tgtcttcac cttttaactt gtataaggag attgggtcgg 240
 gtaatcaggt gatttactca ctgtcacacg gcct 274

<210> 16782
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 16782

<400> 16787

attgcgggta	gccccggcgg	tggtggcgg	ggtagcggg	gtggcggcgg	cagtggcggc	60
accgcctcct	cctcacattc	ccgggggtggc	ggggtttagat	gagcggcccc	agtagcggcg	120
atgta						125

<210> 16788

<211> 240

<212> DNA

<213> Homo sapiens

<400> 16788

gagggaggcg	gaagtgcgg	gttctagcag	gtggctgctt	tctctgggct	ggctgtggga	60
ggctcccgag	gtggggaccc	ggccgggatg	gctgcagcgg	cggccggggc	tgggagcggg	120
ccctcggcgg	cccaggagaa	gcagttcctg	ccggcgctgc	tgagtttctt	catctacaac	180
ccgcgcttct	ggccgcggga	aggagaggta	tgcgaggggg	gcggcgcgctg	assggnccag	240

<210> 16789

<211> 166

<212> DNA

<213> Homo sapiens

<400> 16789

atTTTTTTga	gagcggggga	ggagagacaa	gcaggggcgg	cagargctca	acgggatgct	60
gactgggttt	tgcttttctg	cccagccttg	tggggccggg	acggaagaac	ccatcaaagc	120
ccttctctcc	gccgcctctc	cggaatgagg	tctcagcacc	cgctcg		166

<210> 16790

<211> 464

<212> DNA

<213> Homo sapiens

<400> 16790

cttaaaagag	ataaattatt	gtattgatgt	taaaagaata	tagatgatgt	tccacagtaa	60
gtaaataaaa	tcagcatcta	aaacaaactt	gaattgtgat	gatcaagaaa	aaaaatgttt	120
accttgcaaa	gaaatacaga	tctgccact	gtcatgagac	agtggcttcc	cattagctct	180
gttttagatc	atttctaaat	ttactagatt	gtaaaatctc	attatgaaag	cctagacagg	240
gtgatgtatg	tggagttctg	tttataatta	acaccttata	gaatgtaatg	tttttaacca	300
atgaattttt	aaacaaaagm	raaagggatt	ttcaactaat	amaagnccct	ccctcacctc	360
agaggtcacc	ttctcagggc	gacctgccct	ggtgatgcta	tccagcattg	cagtsmccac	420
cccccaacct	ggcatgcccc	aacttccttw	ccttcttaac	ttct		464

<210> 16791

<211> 187

<212> DNA

<213> Homo sapiens

<400> 16791

tggtttagag	aatgaagtcc	atattttactt	gtagactata	aactgaagat	gttcccagct	60
tttagaggct	aacagattcc	ttggcttctg	tctcgcttcc	ttcatcttca	aagtcagcaa	120
tggcagatta	aatccttgct	atgctgcaac	tctttttttt	gcttccctct	tccacttttt	180
ttttttt						187

<210> 16792

<211> 377
 <212> DNA
 <213> Homo sapiens

<400> 16792
 caagaatttc actccatgac acagaggaac attgaatgat agctcagaaa tgttgatagc 60
 tgaggtactg aaactaacia aaggattttg gttgtccttg attattctgt cctgtaatga 120
 ataaaatcta cactaaagga caggtaagga aaacttatag cagaaaaaag actaaatgta 180
 ccaatcacag cagtacaaac cactccttgg cagaagtgtg cttctaaaag aatggggcag 240
 taatcaggta gctgaactac taggtactg tcaactccag tccatcccca aataaatagt 300
 gtggaagtgt aatagtgtag tagtatttga ttcaacaaag aaagsctttc acccccattc 360
 aaggttaaca ctgccat 377

<210> 16793
 <211> 328
 <212> DNA
 <213> Homo sapiens

<400> 16793
 attcggagac agtcgtgccg gccggtgggc caccagcgca agrncncgcc tttgcaaggt 60
 tgctggacag atggaactgg aagggcagcc gtctgccgcc cacgaacacc ttctcaagca 120
 ctttgagtga ccacggcttg caagctggtg gctggccccc cgagtcccg gctctgaggc 180
 acggccgctg acttaagcgt tgcatectgt tacctggaga ccctctgagc tctcacctgc 240
 tacttctgcc gctgcttctg cacagagccc gggcgaggac ccctccagga tgcagggtccc 300
 gaacagcacc ggcccggaca acgcgacg 328

<210> 16794
 <211> 303
 <212> DNA
 <213> Homo sapiens

<400> 16794
 catgggttgg aggacacagc attttattgg ctgcacgtgt ttggaaaagc ccctttgaat 60
 agcatgggtc tgtgccacag tcgtagagaa ctacttccgc ctgagtgttc acattaatct 120
 gacagcaagt tatatatcca gatatccatt caggagtagc atccatcccc tcaggacctt 180
 tggcattact aggggtgttg attaggtaat gtccaaagtt tggttttaag ggggtggggaa 240
 tgggcctggc ctctagggtc taaagttcta gggtcaccct ggccccagc gtgagagcag 300
 tgt 303

<210> 16795
 <211> 405
 <212> DNA
 <213> Homo sapiens

<400> 16795
 cataaagacg tttcaggtag ctatgaactg catcattcat cagtgcagtt caatgcatca 60
 gtcaatgcag ttgaaggcat cagtcaatgc agttcaatct tacgggtggt tcataagagt 120
 gtataaataa caattgtatc tttactgtcc cttctctgtg tttaggtaga taaataccat 180
 tgtgttacga ttaccacacag tagagtattc agtagtcacc tgctgtacat gttttagacc 240
 taagagcaat aggtmgtaca taccgtatag ccgaggtgtg tagtaggcta rgccatctga 300
 gtttatgtaa gtacactcta tgatgatctc acaactatga aatcacctaa caacacawtt 360
 cacaggatgt gtgcctggca ttaagcagca catgactata ttgct 405

<210> 16796

<211> 166
 <212> DNA
 <213> Homo sapiens

<400> 16796
 atttacagag agccgagctc tggagcctca gcgagcggag gaggagggcg asggccgacg 60
 gcvaggtact gcggtgagag ccagcgggcc agcgccasct caacagccgc cagaagtaca 120
 cgaggaaccg gcggcggcgt gtgcgtgtag gcccgtgtgc ggcggc 166

<210> 16797
 <211> 173
 <212> DNA
 <213> Homo sapiens

<400> 16797
 tgttttagt gcatggtgcc aaaatgttta gactcatagg cattgggaac cattacattt 60
 cttttgtttt tattatataa gtgggtcaaa ggtagaggat ggattgagga taaaggagaa 120
 ctggaaggaa ggtggttctg agagtatctt aatagtctaa gcaagagagt ctt 173

<210> 16798
 <211> 227
 <212> DNA
 <213> Homo sapiens

<400> 16798
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 agaatttatt tatttattta tttttctttt gagacagagt cttgctctga cgtccaggct 120
 agagtgcagt gacgctatct cggctcacta taacctccac cttgcagggt caagcgattc 180
 tctgcctca gcctcctgag tagctgggac cacaagcgcc tgcttgt 227

<210> 16799
 <211> 247
 <212> DNA
 <213> Homo sapiens

<400> 16799
 aaataactgg gtctacaggt gcatgccacc atgctcagct aatTTTTTTT attttttgta 60
 gagatgggggt ctactatagt tgcccagctc ggggcaatca tagttttagt ttcaagggtt 120
 ctttaatat ctgtgactgt tctTTTTTTT cagcatcatg ttcttgtttc atagatataa 180
 tgacttttct tatatttctc aggctagttt ttccctcaca aaaaagtttt ctctccacct 240
 ggtctct 247

<210> 16800
 <211> 175
 <212> DNA
 <213> Homo sapiens

<400> 16800
 ctgagacacc gagttaaaga aggaaggggt ttattcggct ggggggcatc ggcaagactc 60
 ctgtctcaag agccaagctc cccgagtgag caattcctgt cccttttaag ggctcacaac 120
 tctaaggggg tgtgcgtgag aaggctcgtga tcgattgagc aagcagggga tgtaa 175

<210> 16801
 <211> 200

<212> DNA

<213> Homo sapiens

<400> 16801

cctttctctg	agtgccctggt	ggcatttttg	gtacgaggag	agccaagcgt	gtttgagctg	60
tgccgccctg	gagtgtggag	aggtcgagga	cctgagatag	ggagtccgga	gtgtgctgtt	120
cttttgact	agagtgacct	tgagaaagac	actgattaat	ccgatctgct	gccttagttc	180
acccatctgt	aaagcaggcg					200

<210> 16802

<211> 109

<212> DNA

<213> Homo sapiens

<400> 16802

aaatgctgaa	ctgctcttwg	gaagtcgccg	gtgctgttgt	agttggagtc	tggtcacggg	60
cctgagcttc	gaggccaggc	tcccgggtgt	cgtaaatgtt	cggggcctg		109

<210> 16803

<211> 100

<212> DNA

<213> Homo sapiens

<400> 16803

atttacttct	gagaaacttg	ttttgcagtt	ggaaagatgt	aagactgaag	aggggaagaaa	60
ggcactagat	catagagaac	cttatgtgat	aagccaaact			100

<210> 16804

<211> 302

<212> DNA

<213> Homo sapiens

<400> 16804

acgtatactt	tcatggttta	tactatttta	aaattathtt	ttattaaatg	gagccaaatt	60
ttttaaaagt	catcttttcc	actaaattga	catcaccatg	ttaaatctaa	atttccttac	120
taagtcttta	ttttatttta	ctttaagtgc	taggatacat	gtgcagaaca	tgacaggttg	180
ttacataggt	atacatgtgc	catgggtggt	tgctgcaccc	atcaaccctg	catctaggtt	240
ttaagccctg	catgcattag	gtatttgtec	taatactctc	ccattccttg	cccctccac	300
cc						302

<210> 16805

<211> 145

<212> DNA

<213> Homo sapiens

<400> 16805

ttttgagaca	gagtctcgca	ctcttgccca	ggctgtagtg	cagtggcacg	atttcggctc	60
actgaagct	ctgcctcccg	gattctcgcc	attctcctgc	ctcagcctcc	cgagtagctg	120
ggactacagg	cgccaacccc	cgcca				145

<210> 16806

<211> 242

<212> DNA

<213> Homo sapiens

<400> 16806
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 tgttttacaa acagcaaata taataaataa aaagatatat tttctcttcc agtgatccat 120
 agatttgctg taatcattgt aggcatttaa agatgtaatc ttgtaatctc atggtcagga 180
 agtagggttg ctttttagtac aaagctacca gagctggaca tagaatgact tccaccctg 240
 cc 242

<210> 16807
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 16807
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 tgctgtcagg cgacgcgcag gaggcggggg ccgaggccgg gcggcccttc gcggaccctc 120
 cgagctcata gtcttcaggc tgtggaatcg gagctgccac cgcccgagac tccaaagcaa 180
 agcccagttt ccggcgcgga agcgagga 208

<210> 16808
 <211> 378
 <212> DNA
 <213> Homo sapiens

<400> 16808
 acaggctggc aaaggaggag gtgagccggc aggagctgag gcagcgggtg cgcattggctg 60
 acaacgaggt catggacgcc ttctgcaaga tcatggctgc ccggcagaag aagcggactc 120
 ccaccaagaa agaaaaggac caggcctgga agactctgaa ggagcgtgag agcatcctga 180
 agctgctgga tgggtagccc tcaccctgc ctcaggctga ttatctggcc taggggaggg 240
 gaagggaggc ccacttcctt ctttgggcac aggaaacatt ggctgtggc tgtccctcaa 300
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 gatcctcctg ccttggcctc tcaaagtgtt ggcattacag gcatgcacca ccatgctcag 180
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 aagaaatttc atacagggt tg 262

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 tcagggtcctt acctttgctt tttggattcg gtaagtaact ttcttttgtt tataatgtat 180

aaatgtgtac atgttggttg aataattaaa tgatcttaca ttttagtgcg gttcttgaaa 240
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 aggacatagc ctgagac 317

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 aaaagaatga gggaaatgcg ctgtattggg gtctctgcag gggcacggta agggtaaggg 300
 tccattttta actggatggt ggattcctga gatactgttt tgttcctagt tgacatgtat 360
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 agtttgtgtt gtaccagcgc atgccttga aagacttaag taatgcaaaa ggttgcctt 180
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 <213> Homo sapiens

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 gcatcttttg coctgcgctc agtcctcac ccggcggtgg aagttaaagt aaaaccgaaa 180
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<212> DNA
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ctgtaatcca actactagga aggctgagga atgagaatag cttgaaccca ggaggcagag 240
gttgctgtga gctgaaattg caccactgca ctccagcctg ggcaacagag tgatattcca 300
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a 361

<210> 16816
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cctcttagaa tatcattaaa acttggtatc tcaactatgg tctgacccat acatccccgt 180
c 181

<210> 16817
<211> 234
<212> DNA
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cgcccgctac tacgggcctg ggggtggaga tgtgccgcta caccacctc caccettata 120
tcctcttcgc cctgaacctc ccagcctcc catttctgg cggtgcgcg gggcgggccc 180
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<210> 16818
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<212> DNA
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<400> 16818
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ttgcttagct tttccccgca aa 142

<210> 16819
<211> 209
<212> DNA
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taattattat tgctaccata tggataacag tgtgaccagt tgtttttatt ttccatgtga 180
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<211> 343
<212> DNA
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caagartagg aggaggattg cttgagccca ggagttcaag gctgcagcaa gctttgattg 180
cgccactgca ctccagcctt ggcgacagag caagaccctg tctcaaaaac aaacaaacaa 240
acaaaaaaaa aggtgcaagc aagccaagta tccactgata gatgaatgga taaatacaaa 300
gtggtatata cgtactatga ccttgaraag gaaggaaatt ctg 343

<210> 16821
<211> 177
<212> DNA
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<400> 16821
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<210> 16822
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<212> DNA
<213> Homo sapiens

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gcactccagc ctgagcaaca agagtgaagc tccatctcaa aaaaaaaaaa 170

<210> 16823
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<212> DNA
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<400> 16823
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tatatttagt taaataaagt tagcctgtca ct 92

<210> 16824
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<212> DNA
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<400> 16824
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ctattcctcc cccaa 135

<210> 16825

<211> 109
<212> DNA
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<400> 16825
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caggtttggc tgaaatgagg gggaaggaga gtncttcagt ggggaggat 109

<210> 16826
<211> 218
<212> DNA
<213> Homo sapiens

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ggtggagctt tttcttttga aaatatatat tcacaatttt aatattttta tttatttttt 180
actatttaac cctgtacttg gcaatgctca ggcagctt 218

<210> 16827
<211> 268
<212> DNA
<213> Homo sapiens

<400> 16827
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aggacagtgt gagattacat cacactacac agaactgtgt gcaattttaa aggtttgaat 180
tgttttat tgggaattttc gatttaatat tttcagacca tagttgacta ggtaattgaa 240
acctcagaaa gcgaaactgc ggatgagg 268

<210> 16828
<211> 162
<212> DNA
<213> Homo sapiens

<400> 16828
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aattcatttg ccagcttcc ctcatataat tatacctgat cataaccaa gagttgatga 120
gagaagtttt ttatttaaag aattagtcta cctaggcagg gc 162

<210> 16829
<211> 226
<212> DNA
<213> Homo sapiens

<400> 16829
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ggatgatgaa atcgtttgac attttgatta cagcggtggc cacacgacta tacatgtttg 120
tcgaaattca cagaactgta cactagaggg tacgttttac tatatattaa ttatactgta 180
attttgaaaa tggaaaaatt attcaaataa gtctatgaat accaga 226

<210> 16830
<211> 330

004220" 666E7360

<212> DNA

<213> Homo sapiens

<400> 16830

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gggaggcaga	ggttgtagt	agcmgagatc	acgctactgc	actccaacct	gggtgacaga	180
gcgagaccgt	gtctcaaaaa	aacaaaacaa	aacaaaacaa	aaagtctggg	agcgggtggct	240
cacgcctgt	atcccagcac	tttcggaggc	caaggcagga	ggatcacctg	aggtcaggag	300
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<210> 16831

<211> 159

<212> DNA

<213> Homo sapiens

<400> 16831

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taaatccttt	ggggagcgat	gttttgaatt	tagtgagatt	taccagggat	gtagattaag	120
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<210> 16832

<211> 212

<212> DNA

<213> Homo sapiens

<400> 16832

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ctcccaggta	caagttatyc	tcatgcctca	gcctcccaag	tagcttggat	cacaggcatc	180
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<210> 16833

<211> 213

<212> DNA

<213> Homo sapiens

<400> 16833

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tgggtaggaa	aaaacaaaca	aattataata	agaaaatact	gcatttagat	gatctgttaa	180
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<210> 16834

<211> 173

<212> DNA

<213> Homo sapiens

<400> 16834

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tyccatccaa	ttacacagta	cacttttaca	tttcttttag	gggaggggac	gtt	173

<210> 16835

<211> 84
<212> DNA
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tccataaagc tgctctggag cgat 84

<210> 16836
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<212> DNA
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mamaccaggc ctagaatctt ttatgagaag tctagggta ggatgatctg cctgc 175

<210> 16837
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<212> DNA
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<400> 16837
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caaatgttga ccaaaacagg agttcaaate cactgttttt ttttttttt tttttt 176

<210> 16838
<211> 398
<212> DNA
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aatcagtggg tgatactttg gaggattgac aggtttgaca actgagaggg gcctgggaag 180
aggttggttc ctgttgctga ggagtagcag caagttttga aggggtggcaa tgggaaggat 240
atgatgtgac aaactggact gctaattggc tggttcgagt aagatgtctg tcataccttt 300
acagatgcag gtctggagct cagganggag gtcagagctg aacttgacat catcaatata 360
gaactaatca ttgaagccat agtatggcat cattggga 398

<210> 16839
<211> 379
<212> DNA
<213> Homo sapiens

<400> 16839
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tgcatttgct catcttagta tttgttttct gtgctgttga tgttctcaat tgtttgatta 180
ttctttttct cttctacctc aagctggcca tctttttttt attttgctcc ctctgggtgt 240
gggcgtccct tgatgacagc aggaatccta atctgtgagc cagctttaca aaccagacag 300
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379

<210> 16840

<211> 156

<212> DNA

<213> Homo sapiens

<400> 16840

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ccctgccgct gccattgtgc agtcaggcca gcacaggagt caatatggtt ccttggctga 120
tttgctctgg gcctcaaaag ctgctttttt tttttt 156

<210> 16841

<211> 148

<212> DNA

<213> Homo sapiens

<400> 16841

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acactcctat cttcaaaaaa aaaaaaaa 148

<210> 16842

<211> 154

<212> DNA

<213> Homo sapiens

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<210> 16843

<211> 84

<212> DNA

<213> Homo sapiens

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<211> 178

<212> DNA

<213> Homo sapiens

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<210> 16845

<211> 159

<212> DNA

<213> Homo sapiens

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<210> 16846

<211> 176

<212> DNA

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<210> 16847

<211> 171

<212> DNA

<213> Homo sapiens

<400> 16847
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<210> 16848

<211> 143

<212> DNA

<213> Homo sapiens

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 tagagtgtaa tgcttaatgc cca 143

<210> 16849

<211> 97

<212> DNA

<213> Homo sapiens

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<210> 16850

<211> 150

<212> DNA

<213> Homo sapiens

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150

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<212> DNA

<213> Homo sapiens

<400> 16851

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ctagcgcccc	ggccgtgtgg	tcgcaggcgc	actatgcatt	gtccagagag	aggctgcccc	180
gttgaatacc	tgagttctca	aggccatgca	gaacagcctg	accatgagga	tgggccctg	240
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<211> 123

<212> DNA

<213> Homo sapiens

<400> 16852

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<211> 192

<212> DNA

<213> Homo sapiens

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ctacatcatc	cacttattta	ttacagttgt	gcattctcat	tctctcttct	ccttttcttc	180
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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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attaagtggc	tctgataaaa	atgctgatag	aagaatggac	aacaaagccc	aagctgacga	180
ggaatttact	gggaactctg	gagcaaagtt	cacccttgtt	acaccttagc	aaagaacttg	240
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tttgggtgct	ttcttcttta	gttggggccat	caagaaaact	tcagaaatca	ggcattctgt	180
cttcctatac	aataaatatt	ttcagatcat	attttcagat	aagagtcttc	agcttccctc	240
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 <213> Homo sapiens

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ggagttcgag	gcacatgcca	acatgcctgg	ctaatttttg	tatatatatt	ttttagtaga	120
gatgggggtt	tgccatgttg	gctaggctgg	cctcgaactc	ctgacctcaa	gtgatctgcc	180
cacctcagct						190

<210> 16859
 <211> 348
 <212> DNA
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<400> 16859						
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aagcaagaga	aattaaagag	ccatcttcac	ccattcaagg	aggctgctca	ggaagtagat	120
agcaaactgc	aacttttcaa	ggagaacaac	cgtaggagta	agaaggagag	gaaggagaag	180
agacggcaga	ggaaggggga	agagtgcagc	ctgcctggcc	tcacttgctt	cacgcatgac	240
aacaaccact	ggcagacagc	cccgttctgg	aacctgggat	ctttctgtgc	ttgcacgagt	300
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<210> 16860
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 16860

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aaatcttgtg	atttataaga	cccagcaaag	gctttcgagt	cacacttgaa	agaaatgctg	120
ggacagggga	tttctgctg	caatgcctgg	gttccagccc	aattagggaa	gacttttagga	180
ggaaca						186

<210> 16861

<211> 256

<212> DNA

<213> Homo sapiens

<400> 16861

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cagaaaaatt	taaatagggt	aaaagtctgg	aaagggtgaca	gatttgggtg	acttctgagg	120
aaaaccaaga	gccccgagtt	ctgggtatga	taatggcttc	agctaaattt	ttaatactga	180
gcatatttta	ttacctaatac	agctagatag	gtaacaaaaa	caacatgcat	gtkattatat	240
tttactagcc	acagac					256

<210> 16862

<211> 202

<212> DNA

<213> Homo sapiens

<400> 16862

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agccgtagts	csggagaaaa	tcaactctgc	tgtacatata	tacacaacac	acttttgcct	120
tctgtatktg	tagacctaat	tgaagaaact	tgattcttta	ccsaatctaa	agtcagagaat	180
tagtatttta	tctgaaggaa	gg				202

<210> 16863

<211> 265

<212> DNA

<213> Homo sapiens

<400> 16863

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ttataaataa	tcaatgagtc	aaagaggaag	tctcaaggga	aatctaaaaa	tattttgaac	120
tgaacgaaaa	tgaaaatatg	gtttatcaaa	atttgtggga	tatagcttaa	agcagtgcct	180
agagagaact	ttgtggcatt	aaaagcttat	ttagaaagaa	aagtattcaa	tcaataattt	240
aagccttcac	ttatgaaatg	agagt				265

<210> 16864

<211> 201

<212> DNA

<213> Homo sapiens

<400> 16864

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tgacagagca	agactctgtc	aaaaaacaaa	acaaaacaaa	aaaacaaaat	tgccatagca	180
acccaacctt	tagcagccac	c				201

<210> 16865

<211> 280
 <212> DNA
 <213> Homo sapiens

<400> 16865
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 atggtgaaac cctgtctcta ctaaaaatac aaaataagtc aggcattgtg gtgcacacct 120
 gtagtcacag ctctcgggg ggctgaggcg ggagaattgc ttgagcccgg gaggcggagg 180
 ctgcagttag ctgagatcgt gccactgcac ttcagcctgg gcaacagagc gagacctctg 240
 tctcaaaaaa aaagaaaagt agaatttcag ccggggcgac 280

<210> 16866
 <211> 104
 <212> DNA
 <213> Homo sapiens

<400> 16866
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 gctgatctgg ctggctaggc ggggtgtccc ttctccctc acgt 104

<210> 16867
 <211> 221
 <212> DNA
 <213> Homo sapiens

<400> 16867
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 tgcattgctg tagtcccagc tactcggggag gctgaggcag gacaattgct tgaatccagg 120
 aggcagaggt tgcagttagc caagattgag ccaactgcact ccagcctggg taacagagtg 180
 agactccatc tcaaaaaaca acaacaatta acaacaaca a 221

<210> 16868
 <211> 179
 <212> DNA
 <213> Homo sapiens

<400> 16868
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 ctccgaggac ggggtcctga ccgaggccat gatggacacc cgcgtgcaag atgctgtcca 120
 gcagcaccag cagatgatgc gctggctgaa gagggggagg cctgggcccg aggacgagc 179

<210> 16869
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 16869
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 tgtatgtata aacaataatg cagtwgtttt aggtatctca ctttttttaa acattatgca 180
 gttattttatt gttaatatta cgctgactat tatatatccc ttagacata ctgtttttatt 240
 tttgcttcaa aaaaatcagt taaagaaaatt aagaaaacgg atggtctttt atattttatct 300
 acatttcatt tccagtgttc ttcacttttt ttgtagatct gaggttttaat atgataccat 360
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<210> 16870
 <211> 280
 <212> DNA
 <213> Homo sapiens

<400> 16870
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 acccagattg agaagggcca aagaggggct ggacttgggc tggggccctg gagtgtgtgg 180
 agaatcgaga agtgcagtgg tcgtgggcta ctctttgtc ttcacttagc tgagctccca 240
 gggggtcct ctgccccca gctgccaaca ctttttttt 280

<210> 16871
 <211> 308
 <212> DNA
 <213> Homo sapiens

<400> 16871
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 cactgtaacc tccgcctccc gggttcaaac gattctccca cctcagcctc ccaagtagct 180
 cggattacaa gtgcgtacca ccacgcctgg ctaatttttt gtatttttagt agagatgggg 240
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 gcctccca 308

<210> 16872
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 16872
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 tggtgagaag gggccatcat cggaagggcc tgaggaggag gacggagaag gcttctcctt 120
 caaatacagc cccgggaagc tgaggggaaa ccagtacaag aagatgatga ccaaagagga 180
 gctggaggag gagcagagag ttcagaagga acagctggct gccaat 226

<210> 16873
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 16873
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 ctggcgatag tttgctgaga atgatggtt ccagcttcat ccacgtccct acaaaggaca 180
 tgaactcatc attttttatg gctgcata 208

<210> 16874
 <211> 100
 <212> DNA
 <213> Homo sapiens

<400> 16874

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ttagccctca ggactgtgtc atccaacccc caccagccct 100

<210> 16875
<211> 122
<212> DNA
<213> Homo sapiens

<400> 16875
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cc 122

<210> 16876
<211> 184
<212> DNA
<213> Homo sapiens

<400> 16876
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attctgtgaa gtcagtaata gaggagtgtg ctgtggaatt agtgatgggtg gtttcggggc 180
aacc 184

<210> 16877
<211> 111
<212> DNA
<213> Homo sapiens

<400> 16877
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attacagtgg gaacgggacc aagtaccatc atggagctga gacagacatc t 111

<210> 16878
<211> 152
<212> DNA
<213> Homo sapiens

<400> 16878
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cggctgaagg gatggtccga ccaaagcctc ctgccctggg gcagccgatg ccactgcatg 120
ctttttctctg cgcttgggct tcacggcgcc ac 152

<210> 16879
<211> 170
<212> DNA
<213> Homo sapiens

<400> 16879
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cttcgttggt atagaagttg gactaaataa aagggttaac acaagcgtac agataacagg 120
caggcaggaa tgtgaaaatc agagagaaga gagatgtgca ccagaagcga 170

<210> 16880

<211> 113
<212> DNA
<213> Homo sapiens

<400> 16880
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<210> 16881
<211> 162
<212> DNA
<213> Homo sapiens

<400> 16881
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<210> 16882
<211> 139
<212> DNA
<213> Homo sapiens

<400> 16882
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tgcattcattc tatacccagc aaatatactt ttcttttagc atkaagatga agtwwaatca 120
dttctcagcc accatccca 139

<210> 16883
<211> 272
<212> DNA
<213> Homo sapiens

<400> 16883
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ggctctgttag gagcttacag gccataggag aagsggttgt ttcctgaatt taatcttttg 120
cmtgtattca tttagggctt gggagagtcc caagataatt cagtcactgt cagattaatc 180
atttcggcag aacaaacaat attgttatga ttatttaatc cttaaaattg tgatctccag 240
agtttggttat cagaataacc cagaccaagg ct 272

<210> 16884
<211> 129
<212> DNA
<213> Homo sapiens

<400> 16884
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gggaggatgt atgtgtcgag gaatttatcc atttcttcta gattttctag tttaatttgt 120
gtagggcgt 129

<210> 16885
<211> 67
<212> DNA
<213> Homo sapiens

<400> 16885
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ctcctca 67

<210> 16886
<211> 124
<212> DNA
<213> Homo sapiens

<400> 16886
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cagtctcatg aaataactaa acatggcata atgtttatac aaccaaatt gttttcccca 120
ttgc 124

<210> 16887
<211> 79
<212> DNA
<213> Homo sapiens

<400> 16887
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gtytcttttt ttttttttt 79

<210> 16888
<211> 137
<212> DNA
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<400> 16888
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actgattttt gtatttttag tagagatggg gttccaccat gttggccagg ctggtctcga 120
accctgagc tcaggct 137

<210> 16889
<211> 119
<212> DNA
<213> Homo sapiens

<400> 16889
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ctccatccca agcctcactc ttattcttaa atgtatgtat ttttatttgt gaagaagcc 119

<210> 16890
<211> 181
<212> DNA
<213> Homo sapiens

<400> 16890
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c 181

<210> 16891
 <211> 127
 <212> DNA
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<400> 16891
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 tttgacc 127

<210> 16892
 <211> 186
 <212> DNA
 <213> Homo sapiens

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 cgctgtgaat ccagcactt tgggaggccg aggcaggcgg atcacgaggt caggagatcg 120
 agaccatcct ggctagcacg gtgaaacccc gtctctacta aaaatacaaa aaattggccg 180
 ggcgaa 186

<210> 16893
 <211> 163
 <212> DNA
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<400> 16893
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 actaaaaata caaaaattag ctgggcatgg tgggtgggccc tct 163

<210> 16894
 <211> 141
 <212> DNA
 <213> Homo sapiens

<400> 16894
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 aggttatggc tgagagatac aagatgctga tcccatcag caaccccagg gtgcttcccg 120
 ggcccttctc atacacggtg g 141

<210> 16895
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 16895
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 cccggcttca tgccattttt ctgcttcagc ctcccagta gctgggacta caggcgcccc 180
 ccatcacacc cggctccg 198

<210> 16896
 <211> 129

<212> DNA
 <213> Homo sapiens

<400> 16896
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 tctctgggtt tcattcttggg agggcttcgt tattgaggag aattttatat ctccgctttg 120
 ctgggcgtc 129

<210> 16897
 <211> 145
 <212> DNA
 <213> Homo sapiens

<400> 16897
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 ctgctgtagg agtccccagg acaca 145

<210> 16898
 <211> 65
 <212> DNA
 <213> Homo sapiens

<400> 16898
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<210> 16899
 <211> 271
 <212> DNA
 <213> Homo sapiens

<400> 16899
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 tctaattggtt agtcacaact gaatctttca gaagaggaaa gagcagacac taggcacaga 180
 acaaagagca aatgaaacag gaactgtgga ataacactgt gttcccaaag aaaacataac 240
 tgccatagat cacagaatga aagccccagt t 271

<210> 16900
 <211> 77
 <212> DNA
 <213> Homo sapiens

<400> 16900
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 aattcttttt tttttt 77

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<400> 16901

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 ctgtaagtcc aatgtctggg cttcctctgg gatagtttct actgtctgtt tcccccaatc 180
 cccatattga cctgccac 198

<210> 16902
 <211> 140
 <212> DNA
 <213> Homo sapiens

<400> 16902
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 atttgccact ggagacggat 140

<210> 16903
 <211> 251
 <212> DNA
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<400> 16903
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 cataacttgt atagttatat gatgtctcag attcaagtca cacattgggtg acaattcatg 180
 ggattttttt tctaactcac ttaaaatgtg ctccgtattt taggtcgtatt tggtcagaca 240
 acgccaccac t 251

<210> 16904
 <211> 117
 <212> DNA
 <213> Homo sapiens

<400> 16904
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 aagattagta aggaaacagc tgacttgaac aacactatag acctaacaga cacgtac 117

<210> 16905
 <211> 143
 <212> DNA
 <213> Homo sapiens

<400> 16905
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 tccggtcagg gtcaacgcca tgcccagcaa caggggaagc gcagtctca cttcagcttc 120
 cgcagcttga acgccaccag cac 143

<210> 16906
 <211> 123
 <212> DNA
 <213> Homo sapiens

<400> 16906
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 ttctagatct caaatatgct ttctttacta ttcttttgca cctttcattc cagcctctct 120

tca

123

<210> 16907
 <211> 238
 <212> DNA
 <213> Homo sapiens

<400> 16907
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 ctgtaaacaat ggctgggtgga aatcacgat tgtggcctga tgtggcaagc cgaaaccact 180
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<210> 16908
 <211> 200
 <212> DNA
 <213> Homo sapiens

<400> 16908
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 cttcactggt agaattttaa taagacaatc ctatgaacaa gttaacagtt aaagcattat 180
 tcttaccaca cctcctgccc 200

<210> 16909
 <211> 183
 <212> DNA
 <213> Homo sapiens

<400> 16909
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 agtagaggta agtggtgcaa ctctattagg ttcttgactc tgaaatttgt attccttcct 120
 aagaattttg tgtwtttatt ctggtgaagc atatgcttct taagtatttt ttttttttaa 180
 aca 183

<210> 16910
 <211> 213
 <212> DNA
 <213> Homo sapiens

<400> 16910
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 tcgagaccag cctggccaac gtggtgaaac cccatctcta ccaaaaatac aaaattagct 180
 aggcattggg gcacatgcct gtrattctcag cta 213

<210> 16911
 <211> 88
 <212> DNA
 <213> Homo sapiens

<400> 16911
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<210> 16912
 <211> 296
 <212> DNA
 <213> Homo sapiens

<400> 16912
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 gagtytgccct gatgtgtcct gatgattaga ttgaggttat gtgtgttgga agaagattcc 180
 caaagagggg atgtgccctt ctcagagcat cacttaattg cttgcttaag gtggtgttaa 240
 ctgtaaagtt aaaagctgct attttttctt tgtaattaag aatatttcag gggaac 296

<210> 16913
 <211> 66
 <212> DNA
 <213> Homo sapiens

<400> 16913
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 agcaaa 66

<210> 16914
 <211> 140
 <212> DNA
 <213> Homo sapiens

<400> 16914
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 acactcagcc agaaagcaag 140

<210> 16915
 <211> 225
 <212> DNA
 <213> Homo sapiens

<400> 16915
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 tttttgggca acactctttt ttttcatcag tgaaagagat cttaacgggt gaagagaaga 180
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<212> DNA

<213> Homo sapiens

<400> 16917

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atgacacgtt	cctgttctcc	tacaccttgt	gacttgcttc	tgcctctgca	ggggcagtg	180
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<210> 16918

<211> 107

<212> DNA

<213> Homo sapiens

<400> 16918

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<210> 16919

<211> 139

<212> DNA

<213> Homo sapiens

<400> 16919

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<210> 16920

<211> 146

<212> DNA

<213> Homo sapiens

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<210> 16921

<211> 190

<212> DNA

<213> Homo sapiens

<400> 16921

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gagtagctgg	gactacgggc	gcctgccacc	acgcctggct	aatttttgta	tttttagtag	180
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<211> 227

<212> DNA

<213> Homo sapiens

004230" 6867560

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<210> 16923
<211> 168
<212> DNA
<213> Homo sapiens

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<212> DNA
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<400> 16924
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acacctgcat gt 132

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<211> 155
<212> DNA
<213> Homo sapiens

<400> 16925
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tctcagctca ctgcaacctc cgctcccgg gtaaa 155

<210> 16926
<211> 134
<212> DNA
<213> Homo sapiens

<400> 16926
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caggaccgca cctt 134

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<212> DNA
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136

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<211> 194

<212> DNA

<213> Homo sapiens

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gagttccaga	agcaaaaaa	aaaaagttcg	ggtaccgcgg	ctcacacctg	taatcccagc	180
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<210> 16929

<211> 155

<212> DNA

<213> Homo sapiens

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<210> 16930

<211> 170

<212> DNA

<213> Homo sapiens

<400> 16930

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<210> 16931

<211> 196

<212> DNA

<213> Homo sapiens

<400> 16931

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atattcaaag	tatatacaga	gcctgtttta	aaaaatacag	tattatttag	taaaattatc	180
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<210> 16932

<211> 129

<212> DNA

<213> Homo sapiens

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gtgcccgcgt						129

<210> 16933
 <211> 163
 <212> DNA
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 ggaggccgag gtgggcagat cacctgagat cgggagttga gaccggcctg gccagcatgg 120
 tgaaaccacg tctctactaa aaatacaaaa attggccgga cct 163

<210> 16934
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 <212> DNA
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<400> 16934
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 gcctggccca cactttttt 79

<210> 16935
 <211> 410
 <212> DNA
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<210> 16936
 <211> 163
 <212> DNA
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<400> 16936
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 ctgactcagc ctccaagta actgggacta taggcgcca cca 163

<210> 16937
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 gggtttcacc atgttggcca ggctggtctc gacct 155

<210> 16938

<211> 253
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 ggagaagtcg ggggtgctgg acacgctgac caaggcatca cttaggagct gctactccag 180
 aaaatccaga aatagagctg cttcgcttag aactggccga aatgaaagag aagtatgaag 240
 ctattgtaga aga 253

<210> 16939
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<210> 16940
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 <212> DNA
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 gggttctcta gaattttttg aaagccaagg tgtaaatacta gtgactaatt agctgggtgt 180
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<210> 16942
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 gagatccctg cagggtgaggc cccgttttgt tctttgtgk tctgcagggtc cacagaatac 180
 acattacata gaatggacct tcacagaaca cacagcctca ggtttcttcc atttgaagca 240

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283

<210> 16943
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<212> DNA
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<212> DNA
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catctctcaa attttctcat cccccccga c 91

<210> 16945
<211> 291
<212> DNA
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gactgggagg tctcatgaga tgggt 205

<210> 16947
<211> 206
<212> DNA
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aagcattagt gaaatttaaa tcagaagaac aggccatgaa agctgaacgt ttaaaccgac 180
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 ctgagtttct acctagatta gaaggttggc ctcccagaat ggagacaggg atccagagct 180
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 ggggtgtgag atgagagaca cat 263

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 ggtgc 185

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 <213> Homo sapiens

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<400> 16951
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 tggttaagcc acgcatgact gtacatatat ctatagatat gagaggggat ttattagggg 120
 aattggctca catgattgta gaggctaaga tgtcccacag caggccct 168

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ccttcgcgcg ctgctaaaac tgggtgcgcg gttcccaact tcgcagaaga gcttcatcgg 120
 ccccccta 128

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 cgccgcggtg gctgcccggc cccaaggaca ggagggattt gtgcactgac tcctgaccgc 180
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 <211> 135
 <212> DNA
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 aaagggtatt gaaaatgggtc acagcccaaa ccctgc 156

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<211> 228
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 cccgtctgta ctagaaatgc aaaaattagc tgggcgtggt ggcattgcacc tgtggtccca 180
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<210> 16959
 <211> 322
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 aagggaactc cctgaccctt tgcgcttccc aggtgaggca atgcctcgcc ctgcttcggc 300
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 <211> 348
 <212> DNA
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<210> 16961
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 <212> DNA
 <213> Homo sapiens

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 aataactatc ctgaaaaacc actgaccata atgagttatt gtttagcaaga tttatattgt 180
 acttttgaag ttcttctaga ggcaac 206

<210> 16962
 <211> 150
 <212> DNA
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tgcactgccc ttgagtcgtc caggccccc 150

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<211> 209
<212> DNA
<213> Homo sapiens

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aacaaaacgg gctacatgtg cagaatgtac aggtttgtta catgggtata tgtgtgccac 180
ggtggtttgc ggcacctatt gacccaatg 209

<210> 16964
<211> 101
<212> DNA
<213> Homo sapiens

<400> 16964
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<212> DNA
<213> Homo sapiens

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tcagcctccc gagtagctgg gactacaggc acccaccac 159

<210> 16966
<211> 171
<212> DNA
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<400> 16966
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gtcttgccat tgcacttcag cctgggcaac agagtgggac tctgtctcaa a 171

<210> 16967
<211> 258
<212> DNA
<213> Homo sapiens

<400> 16967
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ccaaaggga cagtgattcc gggaaggga ggctcctcct gctctagctc tgaatccaga 180
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tgcttkacga caccgaga 258

<210> 16968
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 aaaagagcbg ggcgccccct gctccctccc tcccttctct cctctctttt ttctcccttc 180
 ctcacccgcc tcta 194

<210> 16969
 <211> 162
 <212> DNA
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<400> 16969
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<210> 16970
 <211> 128
 <212> DNA
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<400> 16970
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 ataaatcaaa aaggtgactc cttaggaata tagattaaaa attaagtgat tgtcaagttt 120
 catcaaga 128

<210> 16971
 <211> 150
 <212> DNA
 <213> Homo sapiens

<400> 16971
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 gcatgatttt ggctcactgc agcctccgcc tcccgggttc aagcgattct cctgcttcag 120
 cctcccaagt agctgggatt acagatgccc 150

<210> 16972
 <211> 70
 <212> DNA
 <213> Homo sapiens

<400> 16972
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<210> 16973
 <211> 297
 <212> DNA

<213> Homo sapiens

<400> 16973

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ctaaaaaggt	gatagagtta	cactggagag	agcagcatcc	aggtgcagca	gggatgggccc	180
tggggctcac	gggcaggggc	tctgtgtccg	gctggggcct	ggggtcctgc	gctgcacctg	240
tgtgtcagaa	gcactcagta	aatctttgct	gatgaaggat	gagaggatag	aggacta	297

<210> 16974

<211> 130

<212> DNA

<213> Homo sapiens

<400> 16974

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aatgagataa						130

<210> 16975

<211> 83

<212> DNA

<213> Homo sapiens

<400> 16975

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<210> 16976

<211> 124

<212> DNA

<213> Homo sapiens

<400> 16976

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ccca						124

<210> 16977

<211> 185

<212> DNA

<213> Homo sapiens

<400> 16977

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gggcaaaagg	tccctccaga	ccacgtggcc	cttgtgttgg	gagcggagac	tcatcagggc	180
gggga						185

<210> 16978

<211> 253

<212> DNA

<213> Homo sapiens

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 ggcaaggcct ggccctgca gaaccggaca cggcctgcc aagccagtgt gtgtggcagg 180
 acaggggaca cctgcagagg cttggcctgt ggatgctgct ccttactggg atggagggag 240
 aagacgcggt tct 253

<210> 16979
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 <212> DNA
 <213> Homo sapiens

<400> 16979
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<210> 16980
 <211> 249
 <212> DNA
 <213> Homo sapiens

<400> 16980
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 gtgctgggat tacaggcgtg asyacagcgc ctggccaatt tttttttttt tttttaagag 180
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 ccacctsgs 249

<210> 16981
 <211> 136
 <212> DNA
 <213> Homo sapiens

<400> 16981
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 aaaagawaga cccaaa 136

<210> 16982
 <211> 57
 <212> DNA
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<210> 16983
 <211> 227
 <212> DNA
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 atacttaatg tcttctttct gttgactctt tttgggaata aggagcaaca ggcttctgtc 180
 tccccctatc ctcagcctcc cggtcaactt gtttattctc ccagaat 227

<210> 16984
 <211> 67
 <212> DNA
 <213> Homo sapiens

<400> 16984
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 cctccaa 67

<210> 16985
 <211> 142
 <212> DNA
 <213> Homo sapiens

<400> 16985
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 gcccgctacc acgcccggct aa 142

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 <212> DNA
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 agtgagaccc tgtctcaaaa 200

<210> 16987
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 <212> DNA
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 atcacttgag cccaggaggt ggaggttgca attgccactg cactgcagcc tgggtgaaag 180
 agtgagwycc tgtctcaaaa 200

<210> 16988
 <211> 214
 <212> DNA
 <213> Homo sapiens

<400> 16988
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 aagctatggt gggaagatca cttgaacctg ggaggcggag gctgcagtga gccaaagattg 120
 caccactgaa ctccagcctg ggcgacagag taagactctt cgcccaggct ggagtbacgt 180

214

[illegible]

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caacagcagg tgca                                     134
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gcatacccgc	tgcatttcac	accacatac					209

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[illegible]

6081

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 agaaagagaa gaaaaacaga wwgaaaaacc agtrtgtata aaaaagcaaa aatgattact 180
 gataatatca caaccagaa gtaaccacct ttaaaaagca 220

<210> 16995
 <211> 184
 <212> DNA
 <213> Homo sapiens

<400> 16995
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 ctgatgtgat gaaaagggga atttgaagga gccattccag aagacagggc gaaaactgaa 120
 gtgcaatcag ggccaagaaa aacagaaata gcaggacctg gagttgcata ggttgaatag 180
 ttgc 184

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 <211> 96
 <212> DNA
 <213> Homo sapiens

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 ccgggtgcc a tggcttatgc ttgtaatccc caggca 96

<210> 16997
 <211> 202
 <212> DNA
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 aaaccctct ctactaaaaa tacaaaaaaa tttagcgggg tttggtggca cacacctgtg 180
 gtcccagcta tttgggaggc at 202

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 <211> 260
 <212> DNA
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 ttaaggtgac cttctgggat ttgagaggta gcatgagggt agtgggtaaa cttcatcttc 180
 ttaagtataa aatgacttta cttaaaagtt gatcaaaaac ttttggtttt ggattaagta 240
 taattagaat aatctatgaa 260

<210> 16999

<211> 145
 <212> DNA
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 ggcccgagg ctgctgcgta ccca 145

<210> 17000
 <211> 65
 <212> DNA
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 ccgca 65

<210> 17001
 <211> 223
 <212> DNA
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<400> 17001
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 taccatctgc gtttcttact tggatgaagag tttttacaaa tcttttggtt atttttctag 120
 gttgtctctc ttattgctgg gttatagcat ggctttatgc attctaggta aaaataattt 180
 ttagatatat gttttccaaa tacttctcat tggcttggt tcc 223

<210> 17002
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 <212> DNA
 <213> Homo sapiens

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 acattcagtt ctcattttct gcctatttat tactctaccc c 161

<210> 17003
 <211> 110
 <212> DNA
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<400> 17003
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 gggtgacaga gcgagactct gtctcaaaaa aaaaaaaaaa aaaaaaattt 110

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 <212> DNA
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<400> 17004

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 tttttgttgt tgtkgtkgtt gttgagatgg agtctctctc tgtcaccag gtcagagtgc 180
 ggtgatgac tcggttcact gcaacctccg cctctggggt tcaagcgatt ctctgcttc 240
 agtctctga gtagctggga ctataggcac cca 273

<210> 17005
 <211> 119
 <212> DNA
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<210> 17006
 <211> 97
 <212> DNA
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<210> 17007
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 <212> DNA
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<400> 17007
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 ttgaacctgg gaggcagaag ttgcagtga cagagctcat gccactgcac tccagcctgg 180
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<210> 17008
 <211> 184
 <212> DNA
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<400> 17008
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<210> 17009
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 <212> DNA
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 tgttttgttt tgtttgagac agagtcttgc tctgtcatcc aggctggagt acggtagtgt 180
 gatctcggct cactgcaacc tccacctccc aggtcccc 218

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 <212> DNA
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<210> 17011
 <211> 152
 <212> DNA
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 cacagagtag tgggtccctg aacctggacc aa 152

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 tttgagtkga attagccaaa agctatcctt ttccacataa gacacaagtg attttcagct 360
 tgtaggctct tgagaaacag gagt 384

<210> 17013
 <211> 148
 <212> DNA
 <213> Homo sapiens

<400> 17013
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 gagtaactgg gattamaggc gctgcma 148

<210> 17014
 <211> 220
 <212> DNA
 <213> Homo sapiens

<400> 17014
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 catcaagtgc aaaggacctg agatgggaga atgaacaggg 220

<210> 17015
 <211> 87
 <212> DNA
 <213> Homo sapiens

<400> 17015
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<210> 17016
 <211> 208
 <212> DNA
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<400> 17016
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 gaattgttcc tatactcaaa attgcaccaa gacaccttgt ctccsraatg caaaatgtga 180
 aatacgcaat ggaattgaag cctgcaaa 208

<210> 17017
 <211> 212
 <212> DNA
 <213> Homo sapiens

<400> 17017
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<210> 17018
 <211> 63
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 gcccctaagt ttgggtatac attagaagca ccatgggtgt tgtaaatgct ttgtwattyc 180
 ttwattgtag agacagtytc actatgtkgc ccaggc 216

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 <211> 96
 <212> DNA
 <213> Homo sapiens

<400> 17020
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 cgccactgca ttccagcctg ggtgacagag ggagtg 96

<210> 17021
 <211> 128
 <212> DNA
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<400> 17021
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<210> 17022
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 <212> DNA
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<210> 17023
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 <212> DNA
 <213> Homo sapiens

<400> 17023
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<210> 17024
 <211> 187
 <212> DNA
 <213> Homo sapiens

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<210> 17025
 <211> 113
 <212> DNA
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<400> 17025
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<210> 17026
 <211> 196
 <212> DNA
 <213> Homo sapiens

<400> 17026
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 ttggcaatga aggaaaggac ttttcctca agggaagaaa aggtggagag aaaggttcgt 180
 ttggaatagg gaggtg 196

<210> 17027
 <211> 189
 <212> DNA
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<400> 17027
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 cccacacaa 189

<210> 17028
 <211> 78
 <212> DNA
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<400> 17028
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<210> 17029
 <211> 149
 <212> DNA
 <213> Homo sapiens

<400> 17029
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 agcactctgc attgatggcg cccagctcc 149

<210> 17030
 <211> 413
 <212> DNA
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<210> 17031
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 <212> DNA
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tgtctcctcc	ccacctttgg	tgggaagtgc	ggggcagtc	tggtcaagac	actcatgccc	218
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 <212> DNA
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<400> 17033						60
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gcagaaatta	ctgtcccat	tttacagata	aagcatttct	ggctcagaga	gatgaatttg	143
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 <212> DNA
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 <212> DNA
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acatgaggaa gaaacccgga aggggaagag gaaagcaaag gcgtcaggaa tggttcttcc 120
tcadkgtcta ttgaca 136

<210> 17036
<211> 278
<212> DNA
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ggttcaagtg attctcctgc ctgcgcctcc taagtagttg ggattacagg catgtgctac 180
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ggtcttgaac tcccgacctc aratgatccg caccaccc 278

<210> 17037
<211> 83
<212> DNA
<213> Homo sapiens

<400> 17037
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tctgtctcaa aaaaaaaaaa aaa 83

<210> 17038
<211> 240
<212> DNA
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<400> 17038
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gtagagatgg ggtttcacgg tgtagccag gatggtctcg atctcctgat ctcatgatct 180
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<210> 17039
<211> 266
<212> DNA
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gaaacgtaag tgccaggaag ttagcagagt ggttcttttg ctggcgctg aacctcgcca 180
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ctctggtcac tgtgatcacc gtccaa 266

<210> 17040
<211> 205
<212> DNA
<213> Homo sapiens

<400> 17040
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004220" 666E7560

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caaaaaaatt agccgggcat ggtggcaggc acctgtagtc ccagctactc gggagcctga 180
ggcaggagaa tgggtgtcac ccgtc 205

<210> 17041
<211> 164
<212> DNA
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<400> 17041
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<210> 17042
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<212> DNA
<213> Homo sapiens

<400> 17042
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<210> 17043
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<212> DNA
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<210> 17044
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<212> DNA
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tttcggttcc taacaaaagc acgttcccc 149

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<212> DNA
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gtatcttgctc tattctcttt ccttgacatt agaattgatta aggtccctc aagtgtctga 180

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cgtgtgtgtg tgta 254

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<211> 73
<212> DNA
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<212> DNA
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<212> DNA
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<212> DNA
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<210> 17050
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<212> DNA
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<400> 17050
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<211> 86

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<212> DNA

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<212> DNA

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<211> 118
<212> DNA
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<212> DNA
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gtttctcttg c 191

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 gctaagcttg taaacttact a 321

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<212> DNA

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<212> DNA

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<212> DNA

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<212> DNA

<213> Homo sapiens

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<212> DNA

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<212> DNA

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62

<210> 17093
<211> 218
<212> DNA
<213> Homo sapiens

<400> 17093
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tattattata ctttaagttt tagggtacat gtgcacaatg tgcaggtttg ttacatatgt 120
atacatgtgc catgttggtg tgctgcaccc attaaactcg catttagcat taggtatata 180
tcctaattgct atccctcccc catccccga cccactt 218

<210> 17094
<211> 77
<212> DNA
<213> Homo sapiens

<400> 17094
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ctcaaaaaaa aaaaaaa 77

<210> 17095
<211> 233
<212> DNA
<213> Homo sapiens

<400> 17095
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aagtagctag gattacaagt gcctgccgcc atgcccaact aatttttgta ttttagtag 120
agacagggtt tcaccatggt gccaggtg gtcttgaact cctgatctca ggtgatccgc 180
ccgcctcggc atcccaaaat gctgggatta caggcatgag ccaccgcgc cga 233

<210> 17096
<211> 195
<212> DNA
<213> Homo sapiens

<400> 17096
agctttttta atwactctgc ttttagatat tttttggact tcagaacttt gaaggtggtc 60
atccaccaac attggggaat ggaaagaagg ctccaacact tttctttcta gagatcttct 120
ttaattttca atggcagtc ctacagaatc tagcagttca tgctattgag gccactttgt 180
aggatttttt ttttt 195

<210> 17097
<211> 208
<212> DNA
<213> Homo sapiens

<400> 17097
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tatactttta gtttttaggt acatgtgcac attgtgcagg ktagttacat atgtatacat 120
gtgccatgct ggtgtgctgc acccataaac tggtcattta gcattaggta tatgtcccca 180
tgctagccct ccctccatcc cccacta 208

<210> 17098
<211> 423
<212> DNA
<213> Homo sapiens

<400> 17098
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ttatttttgt tttgttgcat ttgattttgg gttcttggtc atgaactcct tgcctaagtc 120
aatgtctaca agagtttttc ccatgttctt ctagaatttt tatggtttca ggtcttagat 180
ttaagtattt gatccatctt gcattgattt ttgtgtaagt baagaggcaa ggatccagct 240
tcattctaca tgtggccttg caattatcct agcaccattt gttgaatagc atgtccttta 300
cccactttat gcttttggtt gctttgtcaa agattagtgt gctttaagta tttggtttta 360
tttctgggtt ctctattttg tccctctggg ctatttgctt ttwtatgtct atgtcccayc 420
ggc 423

<210> 17099
<211> 166
<212> DNA
<213> Homo sapiens

<400> 17099
tatatctgta agattcatcc atgtcgtctg atgtagtwat agtttgtaca ttctcattgc 60
tatttcccat ttcatctcat gaatatccca ctctttattc attcccctgt taacagtcac 120
ttggtttggt caccgtttgg ggcttctatg aatagtgcta gtctgt 166

<210> 17100
<211> 192
<212> DNA
<213> Homo sapiens

<400> 17100
gttgtatcag atggagatga ggaacttctt gggaactgga gctaaaggtc actcttgcta 60
tgctttagcr aagaaactgt tggcattttg cccctgccct agagatatgt agaattttca 120
acttgagaga gatgatttag ggtatccggt ggaagaaatt tctttctttc tttttttttt 180
tttttttttt tt 192

<210> 17101
<211> 80
<212> DNA
<213> Homo sapiens

<400> 17101
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gtcgcgcaaa cgagcgagca 80

<210> 17102
<211> 64
<212> DNA
<213> Homo sapiens

<400> 17102
caccaagatc gcaccactgt actccaggat gggcaccaga gtgagacctt gtctcaaaaa 60
aaaa 64

<210> 17103
 <211> 159
 <212> DNA
 <213> Homo sapiens

<400> 17103
 actggtggcg cgcgcgggga cttaaagtag atcatggagg acaccaggc tattgactgg 60
 gatgttgaag aagaggagga gacagagcaa tccagtgaat ccttgagggtg taacgtggag 120
 ccagtvgggc ggctacatat ctttagtggt gcccatgga 159

<210> 17104
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 17104
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 gctgagaggt ttgtttttta tcacaaatag atgttggtt tttttgtcaa acggcttttc 120
 tgcatgtatt gatagatca tgaccttact cctttagtg gataatgtaa tggactgtat 180
 gaactgattt gttgaaccag ccttgcatat ctgaaataaa tgccacctga ctgtgggtga 240
 tagttttttg ttatatattg ttatatagga ttttctaata ttctgttgag aatttttaca 300
 gctatgttca tgagagatac taatctgtag ttgtcctttc ttgtaacatc tttacctaata 360
 tttgttatca 370

<210> 17105
 <211> 189
 <212> DNA
 <213> Homo sapiens

<400> 17105
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 ctcccagatg gctgggacca caggcacctg ccaccatgcc cggctaattt tttgtatttt 120
 tagtagatat ggggtttcac tgtgttagcc aggatgggtc cgatctctag acctcgtgat 180
 ccgcccacc 189

<210> 17106
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 17106
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 cataaattag tgttgcttgc ttttgaactt tatatgrrtg gaattacata ctaatgtacc 120
 cccccctctt ttttttttag atggtgtcat tgcactgcag cctggacaac aagagtgaac 180
 cgccatctaa aaaaaaagga ggggggggt 208

<210> 17107
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 17107
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gtctttttat ctttgatttt tagaagttgg caagatgtat ccaggactgt ttctttcccc 120
 tgtttatcct gcttgggggt tgttgaactt tttgtgtctg taagttaaca ttttccacca 180
 aattctggaa gtttttggcc attgtatgga cctggccaat gcacgccctt ccctctccac 240
 tcctgtgacg gccattgtcc acacgcaggg tcaactggctc ttggccctca ggtctctgag 300
 gcttggtcca tttttcttca acctctgcat tttgcttttt t 341

<210> 17108
 <211> 163
 <212> DNA
 <213> Homo sapiens

<400> 17108
 taattttatt attattatac ttttaagtttt agggtagatg tgcacaacgt gcagggttagt 60
 tacatatgta tacatgtgcc atgctgggtg gctgcaccca ttaactcgtc atttagcatt 120
 aggtatatct cctaattgta tgccctcccc ctccccccac ccc 163

<210> 17109
 <211> 257
 <212> DNA
 <213> Homo sapiens

<400> 17109
 tagaatggaa tggaacgaaa tggaatggaa tggaatggaa tggaatggaa tggaatggaa 60
 tggaatggaa tcgttccgag tggaatagga gggaatgtat tcgagtggaa tggaaggaa 120
 tggaatcaac aagagtggaa tggaaggaa tggaatggaa tggaatcgtt ccgagtggaa 180
 taggaggaa tgtattcgaa tggaatggaa tggaatcgtt ccgagtggaa taggaggaa 240
 tgtattcgag tggccat 257

<210> 17110
 <211> 127
 <212> DNA
 <213> Homo sapiens

<400> 17110
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 agcttgacgt gagctcagat tgtgccactg cactccagcc tgactccatc tcaaaaaaaaa 120
 aaaaaaa 127

<210> 17111
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 17111
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 aatttttgta ttttttagtag agactgggtt tcaccatggt ggccagggtg gtctccatct 120
 cttgacctcg tgatccaccc acctcggcct cccaaagtgc tgggattaca ggtgtgagcc 180
 accacgcccc gccctgtttt tttttttt 208

<210> 17112
 <211> 126
 <212> DNA
 <213> Homo sapiens

<400> 17112
cattatgatg agtatgtgca gtgatactat tcatgtacag tctgagctta tgctcagggg 60
tgtgtgtgta tatgtgtatg catgtgtgca cgtgagtgtg tgtgtctttt tccagttcct 120
gccacc 126

<210> 17113
<211> 108
<212> DNA
<213> Homo sapiens

<400> 17113
gggaggctga gacaggaaaa tcgcttgaac ccgggaggca gaggttgag tgagcagaga 60
tcacgccact ggagagggcg agactccgtc tcaaaaaaaaa aaaaaaaaa 108

<210> 17114
<211> 102
<212> DNA
<213> Homo sapiens

<400> 17114
ctcttaagag cttcagtgtt tttatctttg ctttttgaga agtgccttta caaaatgtgg 60
tttaaaattg agcctacaaa caaaaacaca gaaccgattg ca 102

<210> 17115
<211> 55
<212> DNA
<213> Homo sapiens

<400> 17115
tcccaaatta aatgtaactg aaaaaaacag ggctaacaga ttcttttttt ttttt 55

<210> 17116
<211> 140
<212> DNA
<213> Homo sapiens

<400> 17116
caggaggctg aggcaggaga atctcttggc cccaggaggc agaggttgca gcgaaccgag 60
atcgaccac tgcactctag cctgggtgac agtgcgagac tccgtctcag aaacaacaa 120
acaacaaaaa aacagcccaa 140

<210> 17117
<211> 159
<212> DNA
<213> Homo sapiens

<400> 17117
ccatcacacc cggctaattt tttgtatttt tagtagagac ggggtttcac tgtgttagcc 60
aggatggtct cgatctcctg tctcgtgat ccgcccggcc tgccttgcc tcccaaaggg 120
ctgggattac aggcgtgach accgcgcccg gcccattca 159

<210> 17118
<211> 174
<212> DNA

<213> Homo sapiens

<400> 17118
 cactctctgt gcaattgcta aaatctactc aggtgcattc caaccagcag ctgctctcta 60
 ccagtctctt caagtgtcgc tatgagcaaa tataaataat cttcccatgc aaagaaggaa 120
 aaaatcaaat ttcagacagc tgaggtggct tcagattggg attcaggtac caga 174

<210> 17119

<211> 262

<212> DNA

<213> Homo sapiens

<400> 17119
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 ccgtccctccc accccagcct ccgtagtagc tgggactaca ggtgtgtgcc accacatctn 120
 gctaattttt gtatttttag tagagatgag gtttcagtat gttggtcagg ctggctctga 180
 acccctgacc tcaggtgatc tgcttgctc ggctcccaa agtactggga ttacaaggat 240
 gagccaccgt gcctggctct ac 262

<210> 17120

<211> 150

<212> DNA

<213> Homo sapiens

<400> 17120
 atttttttat tatactctaa gtttttaggt acatgtgcac attgtgcagg ttagttacat 60
 atgtatacat gtgccatget ggtgcgctgc acccactaat gtgtcatcta gcattaggta 120
 tatctcccaa tgctatccct ccccccctccc 150

<210> 17121

<211> 127

<212> DNA

<213> Homo sapiens

<400> 17121
 aaagattcag taaatattag gaatgcagga ggtgtactag ttagggttct ccagagaaac 60
 agaaccaata gggatgtgt gtgtgtgtgt gtgaggggtg tgtgatgtgt gtgtgtcatc 120
 ctggctt 127

<210> 17122

<211> 68

<212> DNA

<213> Homo sapiens

<400> 17122
 ctgagtggct gagatgtcag gcatgtgcc ccaagcctgg caattttttt tttttttttt 60
 tttttttt 68

<210> 17123

<211> 161

<212> DNA

<213> Homo sapiens

<400> 17123

ttagtcccag ctactcccaa gtctgcatta gatggccttt gagacagggt cttgctctgt 60
 caccctggct ggtgtgcagt ggtgtaatct tggctcactg cagcctcaac ctccttggct 120
 caagcaatct tcctgtctta gcctcctgag tagctgggac t 161

<210> 17124
 <211> 214
 <212> DNA
 <213> Homo sapiens

<400> 17124
 cctagattca ttgtatgtga tctcttttat ttattttttg gtaactttta gcattcttctc 60
 ttcataatat tcataagttt caggagggtt atccttggaa agggattttg tttacaatca 120
 ttgttctaga cattattaga taattttaat ccagtaactt catttttcaa ttctgggtaa 180
 attttcttgt atcatttgat aatttcggcc tgtg 214

<210> 17125
 <211> 109
 <212> DNA
 <213> Homo sapiens

<400> 17125
 atgtcaatca gacactgact agagtaataa tatgtttaca tgtaatactg aaaatgactc 60
 atgcactgga cacacacagt acaatgcagc aatatctttt ttttttttt 109

<210> 17126
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 17126
 aaaaaaatcc cgggggagca aaatggacga aaggcgaccc ccaggcaggg gcgctgggtg 60
 ccttgaggaa ccgaggaatc ccttctcttt gccagtcgga ggggactaga gggagccgaa 120
 ggggcccggag atgggcccag cgctgcccc cggggggtcct cggcgccggc caca 174

<210> 17127
 <211> 187
 <212> DNA
 <213> Homo sapiens

<400> 17127
 ctgggtccgc tcccctggag tkctgccctt caggacttgg ggctgcactg ggggaggctg 60
 cgccgccgac ctgggaggga tgcagacctg cctggctgag gggagatgag ggttggcctt 120
 cccctcgtgg cctcagactg gggctctggat ttggggtgtc ggggtagggtg aaggcagcag 180
 agctgga 187

<210> 17128
 <211> 218
 <212> DNA
 <213> Homo sapiens

<400> 17128
 tctatggagg ctgcacatgg tcaactgcaag aaatgtcaaa atccccagaa cagatatgat 60
 ccataccttg taaaatgttc tgtatccac ataaaacaat cctcaagatg atcaattttg 120
 caaagtaagc gtgacaccag tcttttgtct ttctttcagt tctcattcca cttttgactt 180

atttgtggaa agttataatt agattctgcc tggcctta

218

<210> 17129
<211> 99
<212> DNA
<213> Homo sapiens

<400> 17129
gagaacccat aaataaactc tggcatatat gatcaaataa tttgtgacaa gggccaaaac 60
cattcagtgg tgaaagaaca tactttcaac aaatgacat 99

<210> 17130
<211> 137
<212> DNA
<213> Homo sapiens

<400> 17130
caacaattcc atttttgatt atctatccca gagaaattaa accaccagta ttttaagaaac 60
tttcatactc gagaagatac actttctgtg tgtttaagaa actcctaatag tgttttactt 120
cccgtccctc ccaccca 137

<210> 17131
<211> 133
<212> DNA
<213> Homo sapiens

<400> 17131
ttatttattt atttattatt gctttttatt tttgagacag ggtctcactc tcttgcccag 60
gctggagggc aatggtgcca ccatggctgt ctgcaacctc agcctcctgg gctcaagcaa 120
tcctccacc tcc 133

<210> 17132
<211> 117
<212> DNA
<213> Homo sapiens

<400> 17132
gtcacacaaa aatcacaagt taaatgaaaa gcaaaaaaaaa aattccacaa aaaaatctgt 60
aagtggcacc atattaacag actaataaaa gatccaaaac ttaccttttt ttttttt 117

<210> 17133
<211> 64
<212> DNA
<213> Homo sapiens

<400> 17133
actttgtaac ttttaagtgg tcggaacacg ccccgcgctg ctgggtcccg ccagacacgc 60
cgcc 64

<210> 17134
<211> 253
<212> DNA
<213> Homo sapiens

<400> 17134
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 ctaagggaat tgaatagaat caatccgaat gtaatggaat ggaatgaaat ggaatggaat 120
 ggaatggaat ggaatcaacc cgagtgaat ggaatggatt cgaatggaat ggaatggaat 180
 ggaatggatt caacaagaat ggaatggaaa ggaatggaat caacccgagt gtaatggcat 240
 ggactggaag cgc 253

<210> 17135
 <211> 225
 <212> DNA
 <213> Homo sapiens

<400> 17135
 ccgagtgcaa tggaatggaa tggaatggaa tggaatggag tgaaataaac tcgagtggaa 60
 tggaatggaa tggaatagaa tggaatggaa tggaaaggaa tggaagagaa tggaatggaa 120
 tcaactcgag tggaaaggaa tggaatggaa tggaaaggaa tggaatgcaa tggaatgcag 180
 tgttatggaa tggaacgaaa tggaatgaaa tggattcaac ccaaa 225

<210> 17136
 <211> 94
 <212> DNA
 <213> Homo sapiens

<400> 17136
 cactccatcc ccagcgaaaa gaaaccctta cttattggca gtcaagaggg gtaaacttta 60
 gcagtgtcct ctctttcctt aaaaaaaaaa aaaa 94

<210> 17137
 <211> 127
 <212> DNA
 <213> Homo sapiens

<400> 17137
 ttttttgyt gtttgtttgt ttgtttgttt gtttgttttt taaagggagg aaggtatatc 60
 attctagaat aaaatgactg ttgttgctgg gcggtaccc gggctccttc cgccctcggc 120
 ttctccc 127

<210> 17138
 <211> 196
 <212> DNA
 <213> Homo sapiens

<400> 17138
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 gggtagcttta aagaaatgca aatagcaatt gaagaacctc tgctgcaggt ggtggccctg 120
 gctagactga attacactag aaatcagcca gaaggaagcg tccttgggat cccagatcac 180
 tctttttttt tttttt 196

<210> 17139
 <211> 52
 <212> DNA
 <213> Homo sapiens

<400> 17139

ggagcttttg ggctgagact attgggtttt ctttcttttt ttttttaaatt tt

52

<210> 17140
<211> 186
<212> DNA
<213> Homo sapiens

<400> 17140
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catgttggcc aggctggctt cgaactcctg acttcagggtg atccacctgc caaagtgtctg 120
ggattacagg ttgagacacc gcaccgggcc aacatgggtga aacctcatct ctaccaaaaa 180
aaaaaa 186

<210> 17141
<211> 170
<212> DNA
<213> Homo sapiens

<400> 17141
acctccccct cccgggttca agctattctc ctgcctcagc ctcccaagta gctgggatta 60
caggcatgca ccaccatgcc tggctaattt tgtattttta gtagagatgg ggtttctcca 120
tgttggtcag gctggtctcg tactcctgac ctcatgatgat ctgcccacct 170

<210> 17142
<211> 174
<212> DNA
<213> Homo sapiens

<400> 17142
ttcttatagg ttctggatat taggcctttg tcagatgcat agttgggtgaa tattttctcc 60
cattctgtag gttgtctggt tactctattg ctagtttctt ttgctgtaca gacgctcttt 120
agttaatta tgtctcactt gtcaattttt gttgcaattg tttctgggga ctaa 174

<210> 17143
<211> 116
<212> DNA
<213> Homo sapiens

<400> 17143
agccggttat tcttaataat totctggcca cctgttctag agtgtaacac atctcaccac 60
ctgaagcttt tcttttcttt ctttgtttct ttctkttttt tttttttttt tttttt 116

<210> 17144
<211> 412
<212> DNA
<213> Homo sapiens

<400> 17144
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caaatattat gagtttggct agctaacctg actcccacga gcaatcatcc ctgctaattt 120
cctatacata atgtttttta tcagtgtaga cctagagtag ctggttgccct aatcctagga 180
agtatgtttt attcctttta gctttcttca tagcaggcaa gacacatgcc agtttagaat 240
ggtggcccta ccacttacta cctatgtgat cttgagcaat ttacttgacc tttcttagcc 300
ttactgtgct catccataaa atagagatag taacactcag cctgcagagt tgtaagaatt 360

agagaaaata tgccagtcaa gtgcccagtg tcattagagc cttgacacca ct

412

<210> 17145
<211> 254
<212> DNA
<213> Homo sapiens

<400> 17145
aatttagatt gattccatgt ctttgctatt gtgaatagtg ccctgatgaa catacgcatg 60
catgtgcctt tatagcagaa gtaattatat tcctttgggt atataacca taataagatt 120
gctgggtcaa atggtaattc tggtttaagt tctttgagaa atggccacac tgctttccac 180
aatggctgag ctagtgttaca ctccctaccag cattgtataa gtgttccctt ttctccacaa 240
ccttgccccc acta 254

<210> 17146
<211> 175
<212> DNA
<213> Homo sapiens

<400> 17146
gaattaagtc cccagcatgt tgtctaccct tattttgttt tccctatatt tgatcttcag 60
agcactttat cccagagtag gtctatgaaa aatcgaagca aattatatatt ggcttaggaa 120
tgggtgggac ttttttctaa acacctaaag cagtgttttt tttttttttt ttttt 175

<210> 17147
<211> 166
<212> DNA
<213> Homo sapiens

<400> 17147
catttgatat gattcttgggt atgacacggt cagttgaaac atggacattt tcatactatg 60
ttaagagact ctggatcttg tttaatcctt ctctttaaac ttctgacact caagtaagac 120
tcctttgaca tttctgtgga gggaaaagga gaagggagat ggcaact 166

<210> 17148
<211> 205
<212> DNA
<213> Homo sapiens

<400> 17148
cccatctgt atgtcaccat catcaaagac caaaggtaga taaaccacaa aagatgggga 60
aaaaacagag cagaaaagct gaaaattcta aaaatccgag tgctctccc cctcgaaagg 120
aatgcagctc ctccaccagca atggaacaaa gctggacaga gaatgacttt gacgaattga 180
gacaagaagg cttcagacga tcaaa 205

<210> 17149
<211> 127
<212> DNA
<213> Homo sapiens

<400> 17149
cggatatatg ctgttatgga aagctatgtg gattttcttt cttatacatt atattttata 60
tacatattaa aaagctagac acatatattt tttccctctt cttatgggtg tgagtgcctg 120
ttttttt 127

<210> 17150
 <211> 111
 <212> DNA
 <213> Homo sapiens

<400> 17150
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 ggcgcggttg ctcacgcctg tgggtcccagc actttggggag gctgaggtgg g 111

<210> 17151
 <211> 104
 <212> DNA
 <213> Homo sapiens

<400> 17151
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 gcaggatgtc agctcactgc aacctctgca tcttgggctc aaga 104

<210> 17152
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 17152
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 taaggcagga gaattgcttg agcccgaggag aaggaggttg cggatgaaccg agattgcgcc 120
 attgcgtcc agcctgggca acaagagtga aactctgtcc caaaaacaaa acaaacaac 180
 aaaaag 186

<210> 17153
 <211> 52
 <212> DNA
 <213> Homo sapiens

<400> 17153
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<210> 17154
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 <212> DNA
 <213> Homo sapiens

<400> 17154
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 caaattacaa aataaaataa aattaaatta aaattaaata tgctaattat tcagtgttga 120
 agaatattag taaatcagtt cattatttcg aaacctgata acgtgaaaaa taagcatatt 180
 taattttaat ttaattttat tttattttgt 210

<210> 17155
 <211> 296
 <212> DNA
 <213> Homo sapiens

<400> 17155
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gcagtwcttt tctcatatga gcattcagag aatctcttgg aggcctcatg aaaacagatt 120
gctgattagt ttctgattca gcaatctagc ttggtccagg gtaggggctg ataaattgca 180
tttcaaagaa gtccctggt gctgctgttg ctgtwgctaa tctggcgatc acactccwk 240
agtmactgct ttagaacaca acctctgatc cagcccatac cagagaccct gcttga 296

<210> 17156
<211> 308
<212> DNA
<213> Homo sapiens

<400> 17156
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aattgttgtt gttgtttgag acagggtctt gctctgttgc ccaggctgga gagcagtgg 120
gcagtcacag ctactacag cctcagcctc ctgggctcag gtgatctccc acctcagcct 180
cctgagtggc tggggctaca ggtgtgtgcc accatgcctg cctaattttt gtattttttt 240
gtagagatgg ggttttgcca tgttgctcag gctgtaatga aatgatttgt ttttttaaat 300
atgccctg 308

<210> 17157
<211> 219
<212> DNA
<213> Homo sapiens

<400> 17157
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agcaaaaaaga acaaactctgg aggcatacaca ctactggact tcaaactata aggctatagt 120
caccaaaaaca ggatgggtact ggtataataa taggcacata ggccaaggga acagaataga 180
gaaccagag ataatcctaa atacttacag ccaactgat 219

<210> 17158
<211> 141
<212> DNA
<213> Homo sapiens

<400> 17158
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caaagtgctg ggattacagg catgagccac tatgtctggc taaaacctat aaacatttct 120
tagagaaatg ctgttccccg g 141

<210> 17159
<211> 332
<212> DNA
<213> Homo sapiens

<400> 17159
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gcccggttcc cccagggaca gcttcaagcg gtagggacag acatctgagg acccagcctc 120
agggatgctg tccccgggct tccaggctcc agcgccgtag gactgaggca gactccacgg 180
tgagaaagag acccgatcta acccaggcct ttcatacag cccaggaggg aaggcaggaa 240
gtgggaccac gaggcccggt gggcttctaa ctctgtctgm caggagatc tgaattgggg 300
tgaagagcag atctcagaac aaggaggaga at 332

<210> 17160
 <211> 272
 <212> DNA
 <213> Homo sapiens

<400> 17160
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 tgttaggtt tttatagtag tctcttgga tcctttgtat ttctgtgga tcagatgtaa 120
 tgtctctct ttcctctctg atctgatttc ttgggtctt ctctctttt ttacttagtc 180
 tagctaaaga cttgttattg tcttttcaaa aacaactctt tgttttgctc tttttaatgt 240
 tttgtctct atttcattta tttcttctct gt 272

<210> 17161
 <211> 100
 <212> DNA
 <213> Homo sapiens

<400> 17161
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 gccaaagtga caggtcccag tgtgtgttgt tccccctcct 100

<210> 17162
 <211> 200
 <212> DNA
 <213> Homo sapiens

<400> 17162
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 ggtgggcgcc tgtaaccag ctactcagga ggctgagaca ggagaatcgc ttgaaccgcg 120
 gaggcagagg ttgcagtga cgcagatcga gccattgcac tccagcctgg gcgacaagag 180
 tgaaactcca cctcaaaaaa 200

<210> 17163
 <211> 212
 <212> DNA
 <213> Homo sapiens

<400> 17163
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 aatctttggc agacttgag caaaagattg aggtgcattt catgcctcct tttagagtc 120
 ttgctctgtc gccaggtg tagtgagtg gcgcaatctt ggctgcaacc tcagcctccc 180
 aagtagctgg gattacaaac ataagccacc tt 212

<210> 17164
 <211> 118
 <212> DNA
 <213> Homo sapiens

<400> 17164
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 gaagtgcac tggggaaggc ttttgaaaat ttatttccag agttcaagac tgagctgc 118

<210> 17165
 <211> 168

<212> DNA
<213> Homo sapiens

<400> 17165
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agaatcgctt gaacctggga ggcataggtt gcgggtgagcc gagatcgac caytgactc 120
aagcatgggt gacagggcaa gcaagactcc atctcaaaaa aaaaaaaa 168

<210> 17166
<211> 160
<212> DNA
<213> Homo sapiens

<400> 17166
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gctgggatta cagggtgccg ccaccgtgcc cagctaattt ttgtattttt ggtaaagacg 120
gggtttcacc atgttggcc aactgatctg aaactcctga 160

<210> 17167
<211> 230
<212> DNA
<213> Homo sapiens

<400> 17167
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taaaactcag gataaaaaata ggtggcatat gctaaatagt aaagaactgg catagcatca 120
gagaagwwaa ggagctagtg ctttttaagt acatttcata atgcaaaggc accacttacg 180
tggtattttt taccatttg tttcacacaa aaaagggcag agcagttatt 230

<210> 17168
<211> 160
<212> DNA
<213> Homo sapiens

<400> 17168
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ttgaaatctg tatgcactgt ggaatggcta actcaagcta attaatatat gcattacctc 120
acctacttat cctctttttg cggtgagaat actttttttt 160

<210> 17169
<211> 157
<212> DNA
<213> Homo sapiens

<400> 17169
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cagatcact gcaagctctg cctcccaggt tcatgccatt ctctgcctc agcctccaga 120
gtagctggtg ctacaggcgc ccgccaccac acccggc 157

<210> 17170
<211> 300
<212> DNA
<213> Homo sapiens

<400> 17170
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 gatgtgtttc tccaatagcc aattcctagg tcataacatt acagctacat ttcctttgct 120
 gaattttatt atcatctttc tgtgtagaca gatcatgaaa taaagggtgt tgttcctatt 180
 cactacagaa tattttcctc tgccctagtt aagaagtatc aatttcagtc ataaggcaac 240
 acattcttat tgtgtggggg ctctagggtt tgtgtacact tttttttttt tttttttttt 300

<210> 17171
 <211> 283
 <212> DNA
 <213> Homo sapiens

<400> 17171
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 cttagaaagg ggaaatgaag aaaatgmmgg tgggaaaaaa ggagctctgg ccttttaagt 120
 cccctggaaa tcacttcaac tggaggaagc agggttttca aaagtgtggg gatgtgtaac 180
 tacaatggct gcctgactct ttgtctacac ttctgtgata agaagcgcga gtgaacaaaa 240
 cacagatcct ttatggctgg aggacagggt cctttttttt ttt 283

<210> 17172
 <211> 301
 <212> DNA
 <213> Homo sapiens

<400> 17172
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 gaggttaagg gaaagcagag gaagtgtagt gaatatgtgc tgcattgataa ttttaagcttc 120
 cataggagcg tggctgataa tcacaaatcc aaaaatcttg ttttttatta ttaagttcta 180
 gggtagatgt gcacaacatg caggtttgtt acatatgtat acatgtgcc a tgttggtgtg 240
 ctgcacccat taactctaca ttacattag gtatatctcc taatgctatc cctccccccct 300
 t 301

<210> 17173
 <211> 153
 <212> DNA
 <213> Homo sapiens

<400> 17173
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 gtcaagacag gacatactct aatttgttca ttatgtatct acagtggccc taaatgaaat 120
 gctcaatttt tttttttttt tttttttttt ttt 153

<210> 17174
 <211> 120
 <212> DNA
 <213> Homo sapiens

<400> 17174
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 ggaattaagg ccagagaaat gaagcagttt gcctaagatt agtgagagta gagacgggag 120

<210> 17175
 <211> 218
 <212> DNA

<213> Homo sapiens

<400> 17175
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 aggacgggtca ttctgggtaa ggctggagga agggctgtaa gggtagtagg aggcagccac 120
 ctctcagaa atgccccag ccaccaaggc ctgctgtgc ttgttctagc cctcagagga 180
 gttcagccct gggaacggct catgtgtgag aggactgt 218

<210> 17176

<211> 139

<212> DNA

<213> Homo sapiens

<400> 17176
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 scttctcgc gggggctcgg tgggtcctga gtattctttg gccggatttg ctgatccgtc 120
 tgctccaggt gagctggga 139

<210> 17177

<211> 423

<212> DNA

<213> Homo sapiens

<400> 17177
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 catgatgtgt cgctatatgg gggsmcccta tggttggagg tcttaciaat ccaatggggc 120
 cagtgtatta aatatggccc ttttccata gagttgggtc tcatgatgtt taccatgttt 180
 cagattcaag gtatctgac tcaccagggt cacatggcca aatatgtaac tctcattaaa 240
 agattgagtt atatagtcag tatggggaaa tctctattca ctctgggtgaa ctgtgacata 300
 ttttatttat catttcta tmtatatatt taacgggtgta cmacatgatg ytttgatatg 360
 catatmcata gtgaaatgat tattacagtc aagcaaatta acatatccgt cacctcactc 420
 agt 423

<210> 17178

<211> 141

<212> DNA

<213> Homo sapiens

<400> 17178
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 agaagtcagt aaaaaggag cagttgaaca agcatgggtg ctacaccaa taaccccagc 120
 actttgggag gccgaggcca t 141

<210> 17179

<211> 171

<212> DNA

<213> Homo sapiens

<400> 17179
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 acaggagaat cacctgaacc ccagaggcag aggttgtagt gagctgagat cagccattg 120
 tactccagcc tgggcaacaa gagcaaaact ccgtctcaaa aaaaaaaaaa a 171

<210> 17180

<211> 147
 <212> DNA
 <213> Homo sapiens

<400> 17180
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 tcccagcact ttgggaggcc aaagtgggtg gatcaattga agttaggagt tcgagaccag 120
 cctggccaag ctgatgaaac cctatct 147

<210> 17181
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 17181
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 ttttttcagt gttgcttgt tttctaaagt tcatttttag gctaacactg aagtaggata 120
 atgaattaca agttggcagt tactattgct tcttcaaacc aatcattcca ttgtcccctg 180
 gcttt 185

<210> 17182
 <211> 142
 <212> DNA
 <213> Homo sapiens

<400> 17182
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 ttcttttgtt ttgttttatt ttgtttcgag aaagaatcac ttgaaccag gaggcggagg 120
 ttgcaatgag ccgagatcgc gc 142

<210> 17183
 <211> 139
 <212> DNA
 <213> Homo sapiens

<400> 17183
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 taaaattata tcacgtaaat actaacagtt ggtattgcta cattaatttt agacaaaata 120
 aaccataagc cagaaagcg 139

<210> 17184
 <211> 235
 <212> DNA
 <213> Homo sapiens

<400> 17184
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 ctctctttct ttttttttct ttttgaagcg gagtttccct cttattgcc aggctgaggc 120
 aggacaatca cttgaaccg agaggcaaag gttgtggtga gccaaatcg cgccattgca 180
 ctccagcctg ggcaatagcg cgatcttggc tcaccacaac ctttgcctct bggat 235

<210> 17185
 <211> 176
 <212> DNA

<213> Homo sapiens

<400> 17185
aaaaaattag ctgggtatag tggcatgggt gcctgtagtc tcagcwatyc aggaggctga 60
ggcaggggga tcatttgaac ccaagagttt gaggctgcag tgagctatga tcatgccact 120
gcactccagc ctgggcaaca gagtgggaatc ctgttgtctc ttaaaaaaaaa aaaaaa 176

<210> 17186

<211> 161

<212> DNA

<213> Homo sapiens

<400> 17186
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atatgtatac atgtgccatg ttggtgtgct gcaccatta actcgtcatt tagcattagg 120
tatatctcct aatgctatcc ctccccctk cccaccccc a 161

<210> 17187

<211> 180

<212> DNA

<213> Homo sapiens

<400> 17187
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acgtctggac tgtgcaaccc agcaggacaa gcctgtggca cacatggcca gaagctattg 120
atctcttgaa gattagtect gatttttact tggtttgtgt gtcttctaag tggcagctgt 180

<210> 17188

<211> 343

<212> DNA

<213> Homo sapiens

<400> 17188
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aagtggttcg tatgactgag gaactgaatt gtaaatttta ttctatttta atttaaacag 120
acatgtggct agtggttaag tcaatgtgta gaggcagctc agccaataat taaggaaatg 180
tattaactat taactactac acagcaggct taaaagacaa acagaatgga aggatagcta 240
cctctcaacc ttgttgtttt gactttccct gcctctgcca gtccttcaag atttgtcaaa 300
aaatgacagt ttgatgacaa gtcctgaac tcattttaat ttt 343

<210> 17189

<211> 333

<212> DNA

<213> Homo sapiens

<400> 17189
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gcaaaatgat agaaatgggt taaatgtcca tcaacagtaa taaagtaaat gatgcaaaat 120
cttttccaga ggacatctta tgggtgcttaa aatggattaa attgatctac aagtattgat 180
aaagacattt ctccaaggca tgttgtgcaa gtgataacct ggaagttaca gaaaatattc 240
atagtgtgat accattatgt taaaaaaaac cactaaaaat atgccacata tctttgggtg 300
agatggggac tcagcagcag atgggggtggg agt 333

<210> 17190

<211> 341
 <212> DNA
 <213> Homo sapiens

<400> 17190
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 gagtatctta atcttgaact ctaatttgat tgcactttgg tctgaaagac tgtttcttat 120
 gattttctgtt cttttgcatt tgctgaggag tgttttactt ccaattaagt gggcaattct 180
 agaataactg ttatgtggtg ctgagaagaa tgtatattct gttgatttgg ggtggagagt 240
 tctgtacatg tctatkaggt ctagcttggg ccacagctga gttcaagtct tgaatatcct 300
 tattaatttt ctgtctcgtt gatctgtcta atattgacag t 341

<210> 17191
 <211> 191
 <212> DNA
 <213> Homo sapiens

<400> 17191
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 agtcatctaa tagaagctgt atagaagcta ctttttaatt gctggcaaac agctttaagt 120
 gcactttctt tgattacact tccatttttt gttaaacttg aattttctga agccttttat 180
 gtaccacaat c 191

<210> 17192
 <211> 86
 <212> DNA
 <213> Homo sapiens

<400> 17192
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 ttctttcttg actacatcaa gcatgt 86

<210> 17193
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 17193
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 gcgcagtggc tcacgcctgt aattccagca ctttgggagg ctaaggcagg cagatcgtga 120
 ggtcaggaga tcgagaccat cctggctaac acggtgaagc cctgtctcta ctaaaaatac 180
 aaaaattagc cgggcatgga agcaagagcc tgtagtccca gctacttggg aggctgaggc 240
 aggagaatca cttgaaccga ggaggtggag gttgtggtga gctgagatca tgccattgca 300
 ctccaacctg ggcaacaaga gagaagctcc atctcaaaaa taaaaaaata 350

<210> 17194
 <211> 212
 <212> DNA
 <213> Homo sapiens

<400> 17194
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 gagccagctg agctgtttcc atggagacag tgggtgatttc aggaaatcca tctgttttag 120
 attgctctat agactcacc taacttcttt tacagctcat gtagctcagg ggcctgaag 180

cctccattcc cacagcacct tctcccagcc gc

212

<210> 17195

<211> 161

<212> DNA

<213> Homo sapiens

<400> 17195

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atatgtatac atgtgccatg ttggtgtgct gcacccatta actcgtcatt tagcattagg	120
tatatctcct aatgctatcc ctccccctt cccaccccc a	161

<210> 17196

<211> 328

<212> DNA

<213> Homo sapiens

<400> 17196

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taaatgtctt cgagacttca tccacttttt gatggggttg tttgattttt ttcttgtaaa	120
tttgtttaag ttctttgtag attctggata ttagcccttt gtcagacggg gagattgcaa	180
aaattttccc ccgttctgta ggttgccctgt ccactctgat ggcagtkctt tttgctgtgc	240
agaagctctt tagtttaatt agtgtaagt ttatttttgt acccattaac cgtccccttt	300
gctcccctgt ctagtactcc tcccagct	328

<210> 17197

<211> 185

<212> DNA

<213> Homo sapiens

<400> 17197

aaatggaaag gaatggaaag gaatagaatg gaatcaaccc gagtgaaatg gaatggaaag	60
actggaatgg agtggaatgg aatggaatgg aattaacccg aatagaatgg aatggaacgg	120
aatggaacgg aatgtaatgg aatggaatgg aatggaatca acccgagtgc aggggaatgg	180
aatgc	185

<210> 17198

<211> 139

<212> DNA

<213> Homo sapiens

<400> 17198

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tgaggccagt agtttgagac tagcctggcc aacatggcga acccatctct actaaaaaa	120
aaaaaaaaa aaaaaattt	139

<210> 17199

<211> 211

<212> DNA

<213> Homo sapiens

<400> 17199

aaggaggtta ttgttccatc ttgccttatc agtgggtagg atctcttcat catgcccctg	60
ctgggaatgt tttaaactct ccagtgtttt aggaactcta taagctgagg gtgggaaatt	120

gaataaatat tgattctgaa gctaagaaaa tagttgtggt aggttattgg gggttttttt 180
 attttttttt aaattttcat ttgggaaggc a 211

<210> 17200
 <211> 93
 <212> DNA
 <213> Homo sapiens

<400> 17200
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 cagaggaaaa gccacaaatt acatgggaac atc 93

<210> 17201
 <211> 143
 <212> DNA
 <213> Homo sapiens

<400> 17201
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 ttgtcaaccc tttccttctg ttttttaatt tttattttaa tttaattagt atatttattt 120
 tgagtcaggg tcctgttctg ttg 143

<210> 17202
 <211> 152
 <212> DNA
 <213> Homo sapiens

<400> 17202
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 gctcaactgca agctccacct cccagggtga cgccattctc ctgcctcagc ctccctagta 120
 gctgggacta caggtgcctg ccaccacgcc gg 152

<210> 17203
 <211> 168
 <212> DNA
 <213> Homo sapiens

<400> 17203
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 aaaagaaaag atctgaactc ttgaagcatg atagatctcc aaatttgcct aatctgaaaa 120
 agttttcaag agtaattctg actacacaaa tttcaacctc atcattga 168

<210> 17204
 <211> 117
 <212> DNA
 <213> Homo sapiens

<400> 17204
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 aagatcttca tctgttttgt tcattgggtg atccaaatct ctagagcagt gcctaca 117

<210> 17205
 <211> 345
 <212> DNA

<213> Homo sapiens

<400> 17205
 agaggtgcc atcagacggg tttgactgca tggaagaaag cagagctggc tgggcacggg 60
 ggctcaagcc tgtaatccca gcactttggg aggccgaggc aggtggatca cgaggtcagg 120
 agttcaagac catcctgacc aacatgatga aaccccgctc ctactaaaaa taaaaaaatt 180
 ggccgggtgt ggtgttgtgc agcctgtaat cccagctgct cggggggctg aggcaggaaa 240
 attgcttgaa cttgcgaggc ggagggttgca gtgagcaaga tcgtgccact gcactccagc 300
 ctgggtgacg gagtgaact ccatctcaaa ggaaaaaaaa aagca 345

<210> 17206

<211> 198

<212> DNA

<213> Homo sapiens

<400> 17206
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 tatagagtct tgctattaca caggcaggat tgcaagtggca tgatctcagc tcaactgcaac 180
 ctccacctcc cgggttcc 198

<210> 17207

<211> 174

<212> DNA

<213> Homo sapiens

<400> 17207
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 agggagaaca gagtgtcgtt gagccgttcg gttttcacct cggacttccc agcagctttt 120
 gcagagtggt gtctagatta cggagcacac ggggtgccga ttcttgacag accc 174

<210> 17208

<211> 287

<212> DNA

<213> Homo sapiens

<400> 17208
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 atggcaaaac ctcatcttta ctaaaaaac aaaaattagc cgggcatggt ggcgcatgcc 180
 tataatccca gctactcaga aggttgaggc acgagaatca cttgagtcca ggagttcgag 240
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<210> 17209

<211> 161

<212> DNA

<213> Homo sapiens

<400> 17209
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 ggactgcaat ggcagatctc tgggtcactg caacctccgc c 161

<210> 17210

<211> 166
 <212> DNA
 <213> Homo sapiens

<400> 17210
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 cctattctcc caaagtcctt tcattccac cttcgatat ttttcatat ggtccctgaa 120
 gcctggaata cttccattc ctctttcatt tctagatgcc caacag 166

<210> 17211
 <211> 239
 <212> DNA
 <213> Homo sapiens

<400> 17211
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 gagtkctcag ggttcttca gcactgacac ctgccccagt cagcctgctg tctcccagct 180
 tagctggccc catcccagcc tagcctgtgc atgctgcctc ctgtgtccta caccggcaa 239

<210> 17212
 <211> 269
 <212> DNA
 <213> Homo sapiens

<400> 17212
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 caccatatac aaaaactaac tgaagatggg taaaaactta aatgttaaga cctgaaacta 120
 taaaaattct agaagaagg ctaggaaaat ctcttttggg ctttggttca ggcaaataat 180
 ttatgactaa aacctcaaaa gcaaatacag caaaaacaag aaaagacaaa tgagattttt 240
 ttttttgagg taaggtttct gtttttcat 269

<210> 17213
 <211> 179
 <212> DNA
 <213> Homo sapiens

<400> 17213
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<210> 17214
 <211> 115
 <212> DNA
 <213> Homo sapiens

<400> 17214
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<210> 17215
 <211> 167
 <212> DNA

<213> Homo sapiens

<400> 17215
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ccaaccttag ccccccaagt agctgggact actggggcac gccacca 167

<210> 17216

<211> 342

<212> DNA

<213> Homo sapiens

<400> 17216
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ggccgggtgt ggtgtttgtgc agcctgtaat cccagctgct cggggggctg aggcaggaaa 240
attgcttgaa cttgcgaggc ggaggttgca gtgagcaaga tcgtgccact gcactccagc 300
ctgggtgacg gagtgagact ccattctcaa ggaaaaaaaa aa 342

<210> 17217

<211> 59

<212> DNA

<213> Homo sapiens

<400> 17217
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<210> 17218

<211> 153

<212> DNA

<213> Homo sapiens

<400> 17218
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ttgacttctt agctttggat ttgagaact gacttcccg cctggttgag gattcagctt 120
tcttactgtg ccttctcat gcacatgtgc cat 153

<210> 17219

<211> 188

<212> DNA

<213> Homo sapiens

<400> 17219
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tagcagtatt aagccagtca ttgctctctg ttgttctagc ttgcagacat ctacaaaacc 120
tatatgaatg ggttgatttg ctactaaaca tcatggacac catggacacc cctgaragat 180
ggagatta 188

<210> 17220

<211> 169

<212> DNA

<213> Homo sapiens

<400> 17220
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gcaggagagt ggcgtgaacc cgggaggcag ggcttgagat gggccgagat tgcgccactg 120
caccagctt gggcgacaga gcgagactcc gtctcaaaaa aaaaaaaaaa 169

<210> 17221
<211> 189
<212> DNA
<213> Homo sapiens

<400> 17221
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tatggtcatt ttcacaatgt tgattctgcc catccacaaa gctgggattt gtttccactt 120
gtttatgtcg tctataatct ctttcagcag tgtttagtag ttttctttgt agagatcttt 180
cacctcctc 189

<210> 17222
<211> 162
<212> DNA
<213> Homo sapiens

<400> 17222
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gccaccctgc ccagctaatt tttgtatctt tggtagagac agggtttcgc cacgttggcc 120
aggctgtgtc cgaactcctg acctcagatg atctaccgcg ca 162

<210> 17223
<211> 125
<212> DNA
<213> Homo sapiens

<400> 17223
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atgtgaagtc aacacaacca gagcagttgt cctgggagag ttaaggggtc gctctcaatc 120
acggt 125

<210> 17224
<211> 233
<212> DNA
<213> Homo sapiens

<400> 17224
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aagtagctag gattacaagt gctgcccgc atgcccaact aatttttgta ttttttagtag 120
agacagggtt tcaccatgtt ggccaggctg gtcttgaact cctgatctca ggtgatccgc 180
ccgcctcggc atcccaaaat gctgggatta caggcatgag csrccgcgctc cga 233

<210> 17225
<211> 441
<212> DNA
<213> Homo sapiens

<400> 17225
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cactaggtcg	gtgtccccac	aacgggaccc	atggaccaca	cagttcaggg	tttcagccgc	180
acaaccggag	tgggctacgt	gttaataagg	gggcaggtaa	gggatgaga	atccctcacc	240
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tgagagaaga	cagccattga	gcagccagca	tcccaccaa	gctgcctcct	cagtgggaga	360
atccagtgtc	agggacaggg	mccatggcta	attcctttag	gtatgacctg	tctactacat	420
gcctagagtc	cattcatctg	t				441

<210> 17226
 <211> 238
 <212> DNA
 <213> Homo sapiens

<400> 17226						60
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agcaccctcg	taagcaggtg	gctgtcctgg	cttggtaggg	gagggactaa	cagagaccca	180
catcccagga	cgcgcgccgt	caggctccca	ggacactgcc	ccaagcacc	agcttcagtg	238
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<210> 17227
 <211> 144
 <212> DNA
 <213> Homo sapiens

<400> 17227						60
agagagctga	aatcaaactt	atggattttac	tcaatggttt	tattcaatgg	tatagaatat	120
gataactcag	tggagggctg	gggggagtg	ggggagtggc	tggggaagg	agcctgaagt	144
gagttaactt	attttccccg	ggca				

<210> 17228
 <211> 171
 <212> DNA
 <213> Homo sapiens

<400> 17228						60
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gtttgttaca	taggtatata	cgtgccatgg	tggtttgcaa	ctcatcatct	acattagaca	171
tttcttgtaa	tgctattcct	ctcctagtec	cccaccccc	gacaggcccc	t	

<210> 17229
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 <212> DNA
 <213> Homo sapiens

<400> 17229						60
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ctgaggcctc	aaactcttgg	gcccagggga	tccttttgcc	tcagcctccc	aaatggttgg	134
aactacaggc	acca					

<210> 17230
 <211> 364
 <212> DNA
 <213> Homo sapiens

<400> 17230
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 aatgtctgct ttcgaccctc caatcaggct cactctgagg cagatgtaat tgtgtggctg 120
 caaaggcaga gagccacact tgtatgatgc aacattctct tttctttcct ttttagagt 180
 caggatctca ttctgttgcc caggctggag tgcagtggca tgatcatggc tcaactgcagt 240
 stcaaactgc tgggctcaag caatcctcct gcctcagcct cccgagtagg tgggtgtatt 300
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 ggag 364

<210> 17231
 <211> 248
 <212> DNA
 <213> Homo sapiens

<400> 17231
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 tacttctgtt taatcacatc agagtcagt aaggtctgcc tgtctatatt agtcagtcac 180
 gttaataatc tgtgggctca ggtgggtatca gtctgatcca tctgttacac aggtcactca 240
 agaaccta 248

<210> 17232
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 17232
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 gagaatcgct tgaacctggg acgcgagggt tgtagtgagc tgagatcatg ccaactgcact 120
 ccagcctggg tgacagagtg agacgtcatc tcaaaaaaaaa aaaaaaaaaa aaaaaaa 177

<210> 17233
 <211> 168
 <212> DNA
 <213> Homo sapiens

<400> 17233
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 tcaaaaagcg ttgttgaatt aatttgcttt tcatctcctt ttattcattt ttctttattt 120
 ttctccacct cctgttttaa ttttttttag aaactgggcc tcaactott 168

<210> 17234
 <211> 183
 <212> DNA
 <213> Homo sapiens

<400> 17234
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 aaccagctgc aaccaagtat ctatgtatgg aaactgatct ggggtgcctg atttaccagt 120
 bactttgtgc catacctttg aaactagga cctgtctagg cttccttctg atggccatcc 180
 cac 183

<210> 17235
 <211> 114

<212> DNA

<213> Homo sapiens

<400> 17235

gaggcaggag aatcacttga acctgagagg tggagggtgc ggtgagctaa gaacatgcca 60
tcgcactcca gcctggatga caagagtga actccatctc aaaaaaaaaa aaaa 114

<210> 17236

<211> 62

<212> DNA

<213> Homo sapiens

<400> 17236

ctgtgattta gcttctctc aagagctgat tatgttgatg caactcatgc cattgaggag 60
aa 62

<210> 17237

<211> 184

<212> DNA

<213> Homo sapiens

<400> 17237

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gcdagtgc aa atgctctgaa ttgagcacgt gccaggagcg gtcaagaagc tagagggaga 120
ccagtgtaca tggagtggcg gtagtagatg gtagtagcca ggcttcagtc ctctagatta 180
tgtg 184

<210> 17238

<211> 206

<212> DNA

<213> Homo sapiens

<400> 17238

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gccttttggg gctctgctat agtaactaaa atagaataaa ccacatcctt tttcttcaga 120
agtttatagt gttagagact ggggtgtcaaa tgccagcaga tgtaattaag acaatttaga 180
gacaaggaga tttcagagtg ggctga 206

<210> 17239

<211> 208

<212> DNA

<213> Homo sapiens

<400> 17239

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gcactttggg aggcgaggc aggcagatcg tgaggtcagg agatcaagac catcctggcc 120
aacacggtga aaccccgctct ctactaaaaa tacaaaaaat tggctgggcg tggtggcggg 180
tgccctgtaat cccagctact cgggaggc 208

<210> 17240

<211> 78

<212> DNA

<213> Homo sapiens

<400> 17240
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gtagagcacc aaaaacca 78

<210> 17241
<211> 243
<212> DNA
<213> Homo sapiens

<400> 17241
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ctcggctcac tgcaacctcc gctctccagg ttcaagcgat tctcctgact cagtgtctcg 120
agtagctggg attacaggtg cccgccacca cgcccagctc atttttatat ttttaggaga 180
gacgggtat cattatgttg gccagtctgg tctcgaactc ctgacctcag gtgatccgcc 240
caa 243

<210> 17242
<211> 211
<212> DNA
<213> Homo sapiens

<400> 17242
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aatagcagga ggtcaaacca tcatgtgttt gggtcattgg tatatcaagt ttctaagtca 120
agggctccact ctctaccata aagggcctca gggcacrkgt aggtagtata agtcggtgat 180
taagaacatg gactctgaag tcagactgcy c 211

<210> 17243
<211> 145
<212> DNA
<213> Homo sapiens

<400> 17243
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ggactgtcat gctctcttga tgtcaggaaa agagtactta caattgaaat ttattttctt 120
cttaatcact ttcaaaccac ccagt 145

<210> 17244
<211> 263
<212> DNA
<213> Homo sapiens

<400> 17244
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tgattaagtt ccttaacaga aatgtcactt attttattca tctattccta aagaaatgaa 120
gttttttttt hcttttttcc tagaagagtc agaacacttt cagagcctaa tttttttccg 180
gcaacacaag ggtgthattt ccttggtatg gtctaagcaa aaattataaa acaagtgact 240
gccacattcc atctctgtgt ccc 263

<210> 17245
<211> 119
<212> DNA
<213> Homo sapiens

<400> 17245
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 ggttttaccg tgtagccag gatggtcttg atctcctgac ctctgtatct gccgcctc 119

<210> 17246
 <211> 275
 <212> DNA
 <213> Homo sapiens

<400> 17246
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 tctattaaac atatattcaa actttttgaa taaatagggt tttgtttgac tcaaaaaata 120
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 gtagtgcaat ggtgcaatct cggctcactg caacctctgc ctccggggt caagcaattc 240
 tcctgcctca gcctcccaag tagctgggcg tggtg 275

<210> 17247
 <211> 189
 <212> DNA
 <213> Homo sapiens

<400> 17247
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 tttctaaaaa atttgctctg caaaaattaa tgtgtcattg gttacattca aatagttttt 120
 taaaaaatct gcgaaatatg tatacttatg gatttagagt aacttctgta atttccacat 180
 aggtcccca 189

<210> 17248
 <211> 96
 <212> DNA
 <213> Homo sapiens

<400> 17248
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 cattcagcca ctctgtgcct tttaattgga gaatgt 96

<210> 17249
 <211> 77
 <212> DNA
 <213> Homo sapiens

<400> 17249
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 gagaatgagg gtgtgat 77

<210> 17250
 <211> 204
 <212> DNA
 <213> Homo sapiens

<400> 17250
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 gttttcggct ggatactaaa tccaaaaact atgtaaaaat gtcaatagggt gtagtcacat 120
 tgattttggt tagtcacagt gatatttgag cccctttggg gactctgtct ggggaagtat 180

tttacaagaa agataatata acat

204

<210> 17251
<211> 103
<212> DNA
<213> Homo sapiens

<400> 17251
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ctggaccttg cacttgacaga gttcacaggc tagagaggcg cct 103

<210> 17252
<211> 207
<212> DNA
<213> Homo sapiens

<400> 17252
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tgctcaagat cactaatcat cagagamatg caaatcaaaa ccacagtggg ataccatctc 120
gcattagtca gaatggctat tactaaaaag tcaaaaaata acagatgctg gcaagggttg 180
agagaaaaag gaaggcatat acactgc 207

<210> 17253
<211> 243
<212> DNA
<213> Homo sapiens

<400> 17253
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gctactcaag actgagacag gaggatcgct tgagcccagg aggttggggc tgtagtgaaac 120
catgatcatg ccactgcact ccagctgggc aagagtgaga ccctgtctca acaaaaaacaa 180
aacaacacaa acaaaaaaga aaactgcctg gtgcagatcc aattagattc ctccccctcc 240
cac 243

<210> 17254
<211> 331
<212> DNA
<213> Homo sapiens

<400> 17254
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agtgaatat aaagtcactg gaggattttt ttccaatta tttgtgattk tttttctctt 180
ttttttatta ttattatact ttadgtttta gggtacatgt gcacaatgtg caggttagtt 240
acacatgtat acatgtgcc aatgtgtgtg ctgcacccat taactogtca tttagcatta 300
ggtatatctc cttaaagctat cctccccccc c 331

<210> 17255
<211> 207
<212> DNA
<213> Homo sapiens

<400> 17255
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aaacctgcaa gctgggcatg gtgggtgacg cctataatcc gagcactttg ggaggccaag 120
 gcgggtggat cccaagggtca ggagatcgag accatcctgg ctaacacggt gaaaccgtgt 180
 tagccaagat ggtctccatc tcctgac 207

<210> 17256
 <211> 119
 <212> DNA
 <213> Homo sapiens

<400> 17256
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 ggttttaccg tgtagccag gatggtcttg atctcctgac ctctgtatct gcccgcctc 119

<210> 17257
 <211> 161
 <212> DNA
 <213> Homo sapiens

<400> 17257
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 accccctccc ttgggtgtgt gtctctcagc ycctgcaca ccgttcccta tgtctgtggc 120
 ccgctgcct btgtgcgcgt gtgtccccc cagcgccagg n 161

<210> 17258
 <211> 112
 <212> DNA
 <213> Homo sapiens

<400> 17258
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 tgcctcagcc tccaagtag ttgggactac aggcattgtgc caccagccc tc 112

<210> 17259
 <211> 169
 <212> DNA
 <213> Homo sapiens

<400> 17259
 tgyggcgaat atcktcscctt acaagggtta tatatggaat tatggtaccc tccctcagat 60
 tctttcttgt ggagaagtta twmatgtgaa gatccttgga attttggtc ttattgatga 120
 aggtgaaaca gattggaat taattgskat caatgcaaat cccctgaar 169

<210> 17260
 <211> 167
 <212> DNA
 <213> Homo sapiens

<400> 17260
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 ttggaaattt tttttaaatg atcctttacc acatttgaga agcactgatg taggcagagg 120
 gaaaaagtgc aagctcaaag ggttgagaa gtgagatagt ggcattc 167

<210> 17261
 <211> 87

09513999.062400

<212> DNA

<213> Homo sapiens

<400> 17261
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cggcgggcga gcgaggctgc gggcgct 87

<210> 17262

<211> 86

<212> DNA

<213> Homo sapiens

<400> 17262
agcttctggc tgggaagtgg caggaactag agtggccgcc tcagaccac agcagaaggt 60
acatgttgag aaagggctgc ccccca 86

<210> 17263

<211> 124

<212> DNA

<213> Homo sapiens

<400> 17263
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atctcctgac ctcgtgatcc caaagtgtg ggattacagg cgtgagccac catacccgtc 120
acca 124

<210> 17264

<211> 262

<212> DNA

<213> Homo sapiens

<400> 17264
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aatacaaaat tagcaggtgt ggtggcgggc gcctgtagtc ccagctactc aggaggctga 180
ggcaggagaa tggcgtgaac ctgggaggcg gactgcagtg agctgagatc gcgccactgc 240
actccagcct gggggacaga gc 262

<210> 17265

<211> 94

<212> DNA

<213> Homo sapiens

<400> 17265
caggaascaa ttgagacttt ggaaccctgc tagtatttct cttgcctaca aagaagacac 60
tgaggagcta ccaaggagca caaaaaaaaa aaaa 94

<210> 17266

<211> 382

<212> DNA

<213> Homo sapiens

<400> 17266
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gggggggttta tttatTTTTt tatttgagac ggagtcttac tctgttgccc aggctggagt 120
 scagtggcgt gatcttggt cactacaatc tccgcctccc gggttcaagt gattctcctg 180
 tctcagcctc ccaagtagct gggattacag gtgccacca ctatgccag ctaattttgt 240
 attttttagta gagacggggt ttcaccatat tgatcaggct ggtctcgaac tcctgacttc 300
 aggtgatcca cccgcctcgg cctcccaaag tgctgggatt ataggcgtga gcaccatgcc 360
 tggccgtttc tttttcttt tt 382

<210> 17267
 <211> 110
 <212> DNA
 <213> Homo sapiens

<400> 17267
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 agcccgcggg ggcggasggt gagagcggcc gccaaagagag atcacaccct 110

<210> 17268
 <211> 152
 <212> DNA
 <213> Homo sapiens

<400> 17268
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 tccctgtggt cacattttct acccagccat tcttggcatt gcaacctcca ttttctagct 120
 ccagttgaat tttctccacc cagaccccgc ct 152

<210> 17269
 <211> 145
 <212> DNA
 <213> Homo sapiens

<400> 17269
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 tggttaagatt tctgtaactt tcaaattggt ccacaaataa aatcttaggt aaacaaaaga 120
 aatgtatga aatgtttaac agtta 145

<210> 17270
 <211> 63
 <212> DNA
 <213> Homo sapiens

<400> 17270
 atgtcactct gggagggaga cagcagcaac taagctgtac aagggtttttt tttttttttt 60
 ttt 63

<210> 17271
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 17271
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 agacttttat atgcattgaa ttatgttgat gccaaaggct tcattttgtc tttgtttttt 120
 aattaatatt ttatttattt attttttttt agagacaggg tctcgctttt tcgtccaggc 180

tggagtgcac tggcacgac atagctctct acatcctaga aagtcaaagt ctaaaatata 240
 taatataaga acataaaaat ctaggtcatt ttt 273

<210> 17272
 <211> 209
 <212> DNA
 <213> Homo sapiens

<400> 17272
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 agtgacagtgg cgtgaktgt catctctgct cactgcatcc tccacctctt gggtttaaaam 120
 caactctcgt gcctcagcct cccgagtagc tgggattaga ggcacatgcc accatgcctg 180
 gctaattttt tttctttttt tttttttt 209

<210> 17273
 <211> 182
 <212> DNA
 <213> Homo sapiens

<400> 17273
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 gaggccgaga cagtwggatc acgaggtcag gagatcgaga tcatcctggc taacatgggtg 120
 agaccccgtc tctactaaaa acacaaaaaa ttagccgggt gtggtgatgg gcgcctgtag 180
 tc 182

<210> 17274
 <211> 87
 <212> DNA
 <213> Homo sapiens

<400> 17274
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 ctccatctcc aaaaaaaaaa aaaaaaa 87

<210> 17275
 <211> 111
 <212> DNA
 <213> Homo sapiens

<400> 17275
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 tgctaagggtc acctagctgg tcatcagctc agtgaggacc agaggccaga c 111

<210> 17276
 <211> 259
 <212> DNA
 <213> Homo sapiens

<400> 17276
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 gatcagagca gaactgaagg agatagagac acaaaaaacc cttcaaaaaa atcaatggaa 120
 atccaggagc tggttttttg aaaagatcat caaaattgat agaccactag caagactaat 180
 aaagaagawa agagagaaga atcaaataga tgcaataaaa aatgataaag gggatatcac 240
 caccgatccc acagaaata 259

<210> 17277
 <211> 132
 <212> DNA
 <213> Homo sapiens

<400> 17277
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 ttaggaaaat atggtttagac agactcacat tacttttttt cagaggtaaa ctctagatta 120
 ctgtgccaac cc 132

<210> 17278
 <211> 130
 <212> DNA
 <213> Homo sapiens

<400> 17278
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 tgtctacttc ttctacaca gacacagtaa caatctgatc tctctttctt ttccccacat 120
 ttccccccga 130

<210> 17279
 <211> 137
 <212> DNA
 <213> Homo sapiens

<400> 17279
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 ttgtgtgtc ccacctccat cctccatcc tttttattct gcctgtttga acattttctg 120
 tattccccctt ttttttt 137

<210> 17280
 <211> 203
 <212> DNA
 <213> Homo sapiens

<400> 17280
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 tgatggacat ttgggctggt tccatatftt tgcaattgtg aattgtgctg ctataaacat 120
 gcgtgtgcaa atatctftt catataatga cttctfttcc caccacaagag tgggattgct 180
 ggatcaaatg gtagatctac ttt 203

<210> 17281
 <211> 251
 <212> DNA
 <213> Homo sapiens

<400> 17281
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 ttctttttca tatttagtgc ttcttccagg aactcttgta aggctggcct ggtggtgaca 120
 aaaaatctct cagcatttgc ttgtctgtaa aggattttat atctccttca cttatgaagc 180
 ttctgtttgc tgatatgaa attctgggat gaaaattctt ttctttaaga atgtwgaata 240
 ttggccccctt c 251

<210> 17282
 <211> 245
 <212> DNA
 <213> Homo sapiens

<400> 17282
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 ctaaagccag aaaaatctgt ctttaaata agtatataat tcctgccatc atctgacaag 120
 ggggtggataa tgcagctggg gaaataaatc acagaatatt ggtatagata ggagtgtact 180
 ggaggatttg attcacttcc agtatttcat taatttgtat ttggaagttt aaataccg 240
 ccaca 245

<210> 17283
 <211> 72
 <212> DNA
 <213> Homo sapiens

<400> 17283
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 tttttttttt tt 72

<210> 17284
 <211> 107
 <212> DNA
 <213> Homo sapiens

<400> 17284
 agattgagta tcccttatct gaaatgcctg ggacctgaag tattttggat ttcagacttc 60
 ttttcagatt ttggaatatt tgcattatat ttactgattg ggcaccc 107

<210> 17285
 <211> 372
 <212> DNA
 <213> Homo sapiens

<400> 17285
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 catgcctgta atcccagcac tttgggaggc tgaggcagggt ggatcacctg aggtcgggag 120
 tttgagacca gcctgaccaa tatggagaaa ccccgctctc actaaaaata caaaattagc 180
 cgggcgtggt ggcacatgcc tgtaatccca ggtattccgg aggctgaggg aggagaatcg 240
 ctagaacctg gannngcaga ggttgcatg aactgagatg gcacctttgc actccagcct 300
 gagcaacaag gcgaaactcc tacctcagmc gtctgcatag ctgggaccac aggcattgcac 360
 tatcacaccc mr 372

<210> 17286
 <211> 292
 <212> DNA
 <213> Homo sapiens

<400> 17286
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 aggtgatcca caggccttgg acctccaaag tgctgggatt acaggggtgg atgtccttac 120
 tcttaagaac aatggtttct atgcactcag gaccttctga taacttgttt caggcaaaag 180
 aaacccaaat gtgatggatg gacatatatg atttttgata cactgcatcc attctctgtt 240

ctttggataa tttttccttg ttctcttgta ggaaatcacc cttacccact cc

292

<210> 17287
<211> 325
<212> DNA
<213> Homo sapiens

<400> 17287
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ttatgtttat ttatgtactt acattttaga gatgggggtct tgttctgtcg cccaggctgg 120
agtacagtat catagtctcc ttgaagcccc aaactactgg actcaagcag ccctctcgcc 180
tcagcctccc aaataactgg gggactgtag gcatatgcca ccatgctcag ctaattaaaa 240
aaaaattttt tttttkggag accggtctta ctatgttgcc caggttggtc tcaaactcct 300
ggcctmaaac gatgccccctg cccat 325

<210> 17288
<211> 177
<212> DNA
<213> Homo sapiens

<400> 17288
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gtaagagtat gtttagtttt gtaagaaaat gccaaacat cttccacagt ggctacacca 120
ttttgctttc ctaccakywa tgaatgagag ctctgttgcc tccacatcct cgccaaa 177

<210> 17289
<211> 220
<212> DNA
<213> Homo sapiens

<400> 17289
cadaggtcag gatacagcca cagtgggatt gtttgacggg caagtggatc tgcctccaat 60
ggggcacaga gtscaagaac agggagggct ttgaactaca gagtcaaggc cagaggtaac 120
atggtgaaaa gagggggatt aagtatgtcc actgctgact aagacctcca gctgtccttc 180
cttagttggc ttccaaaaaa gtagcagcta ggccttcact 220

<210> 17290
<211> 114
<212> DNA
<213> Homo sapiens

<400> 17290
gacgggtttt gccatgttgg acaggttggt cttgaactcc tgatgtcagg tgatccaccc 60
atctcggcct cccaaagtgc tgggattaca ggtgtgagcc accatccccg cact 114

<210> 17291
<211> 140
<212> DNA
<213> Homo sapiens

<400> 17291
ctccacagca tctattgttt cctgactttt taataatcac cattctgact ggcgtgagat 60
ggatatctcat tgtggtttcg atttgcattt ctgtgatgat cagtgatgtt gagctttttt 120
tcatatgttt ggtggctgca 140

<210> 17292
 <211> 122
 <212> DNA
 <213> Homo sapiens

<400> 17292
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 caatcacacc tgattgcaac ctctgcctgc tgggctaaag caatcctccc acctcagccc 120
 ga 122

<210> 17293
 <211> 101
 <212> DNA
 <213> Homo sapiens

<400> 17293
 tagccaggat ggtctggatc tcttgaccac gtgatccacc cacctcagcc tcccaaagtg 60
 ctgacattac aggcgtgass actacagccg gcccacaagc c 101

<210> 17294
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 17294
 caataacatt atctcattta aaaaataaga ataattatct aatattatct ggacatattt 60
 gtataccaac tgtcctataa acttttaaaa gtaaaattta aacttaaatc atacaatcat 120
 ttaacaatc attaaacttt tgtttaaatt tggatcaaat gtgggttcata caatgattgt 180
 ctcttaaate tcttttatag gctcctctc tgtctttttt ccccaccta 229

<210> 17295
 <211> 197
 <212> DNA
 <213> Homo sapiens

<400> 17295
 ctcttctgtt tacactaact cottagttga ttttaactag aattgtggct ttaatacagt 60
 tcagatgcta atgaactcag aaatgtatat ttccaggcca gactctcaat ttaaactctg 120
 gagtttatct cttgttactt atttcaatgg ctaatacata tcaacttaatt tcttgatatt 180
 tcaacccccca acccagm 197

<210> 17296
 <211> 272
 <212> DNA
 <213> Homo sapiens

<400> 17296
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 gcttcaagcg attctcctgc ctcagcctcc tgagtagctg ggattacagg cgctgccac 120
 cacaccggcg taatttttga gtttgttgtt gttattattt ttttttgaga tggagtcttg 180
 ctctgttgcc caggctggag tgcagtgggt cagtctcggc tcaactgcaag ctctgcctcc 240
 cgggttcacg ynhtttctct gcctcagcct cc 272

<210> 17297
 <211> 86
 <212> DNA
 <213> Homo sapiens

<400> 17297
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 aggcgggaga cttgcttgaa cgcgag 86

<210> 17298
 <211> 296
 <212> DNA
 <213> Homo sapiens

<400> 17298
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 ttattatttt gagatatggt tcatcaatac ctagtttact gaaagttttt aacatgaagg 120
 aatgatgaat tttatcaaag gccttttctg catctatcga gataatcatg aggtttttgt 180
 cattggttat attaatgtga ttgattttgt ttattgattt gcatatgttg aaccagcctt 240
 gcatcccaga aatgaggctg acttgatcat ggtggataaa cttttgatgt gctgct 296

<210> 17299
 <211> 432
 <212> DNA
 <213> Homo sapiens

<400> 17299
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 atcccctctg tcaactcaagc tgaattacag tgggtgcaacc atggctcact gcagcttcaa 120
 catcctgaac ctcttattat tttgagatat gtgcaccaat acctagttaa ttgagtgttt 180
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 gtgatttttg tcattgggtc tgtgtatatg atggattatg tttattgatt tgcataatatt 300
 aaaccaacct tgcacccac ggatgaagct gacttgatct tgggggatac gtttttgata 360
 tgctgmtaga tgtgggttgc cagtatttta ttgaggatat tcacttcgat gttcatcagg 420
 cggatttggc ct 432

<210> 17300
 <211> 267
 <212> DNA
 <213> Homo sapiens

<400> 17300
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 agaaacagtg tctttggggg arasccaggt gttggtgaag gcascgtttg ragtgcatyc 120
 tgtgaagaag twaagagtgw agtgggtgtt ggttycttgt agcaagagtc ctagascagt 180
 ggtccccaac ttttttgcca ccagggaccg gttttgtkgw agacagtttt ycaatgggac 240
 tgggaggggtg tycggggggag ggcwagt 267

<210> 17301
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 17301

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agacaagaaa	ctgagcccg	tgggcgcgg	ggctcacgc	tgtaatcca	gcactttggg	120
aggccaaggc	gggtggatca	cgaggtcagg	agatcgagac	cactctgact	aacatggtga	180
aatcccgtcc	ctactaaca	tacaaaaaat	tagccgggca	tgggtggcgcg	tgctgtagt	240
cccagctact	cgaggagctg	aggcaggaga	atggcgtgaa	cccgggaggc	ggasttgcag	300
tgagccgaga	ttgcgccact	gcgctccagc	ctgggcgaca	gagcaagact	ccgt	354

<210> 17302

<211> 154

<212> DNA

<213> Homo sapiens

<400> 17302

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tcttcttccc	ctttctttct	cttctctcct	ttggagaccc	caatatgcat	gtgtttgtat	120
gcttcatggt	gtccctatgt	ttctgagggc	catc			154

<210> 17303

<211> 301

<212> DNA

<213> Homo sapiens

<400> 17303

atgttacact	gacaggaaa	gtgcagaagt	cgtggagaat	gtttcgacgc	accctccgcc	60
agctttcccg	agggtaacgt	cttgtgagcc	cgtgtacagt	tatcagaagc	tgtaaggcct	120
gggtgcagca	ggcgcgggtc	ctgactgcgt	tcaggctctg	ccggctctcc	cactgagctc	180
ctttttctgt	gccaggatct	ggcctgggat	ccccatggcg	tttgggtggc	ctgtcctgcc	240
ctgcactctg	ggacaggaga	gaatctgctc	ctcggctctc	cctgtcgtcg	tgacccsggc	300
c						301

<210> 17304

<211> 108

<212> DNA

<213> Homo sapiens

<400> 17304

gcctcccagg	tttaagctat	tctcctgcct	cagcctcctg	actagctggg	attacaggcg	60
cccggcacca	tgctggcta	atTTTTTgtg	ggTTTTTttt	TTTTTttt		108

<210> 17305

<211> 235

<212> DNA

<213> Homo sapiens

<400> 17305

aatgtagata	tttgctcatt	ttacagaaga	ggaaactaaa	tttagttaac	tgacttgccg	60
aaaggcacat	aggaagtggc	actttaaaac	tttccaactc	aggctgggcg	tggtggctca	120
cgcttgtaat	cccagcactt	tgggtgggca	aggcgggcgg	atcgcttgag	gtcaggagtt	180
cgagacgagc	cttgccaaca	tggtgaaaca	cgatgtctgc	taaaaaaaaa	aaaaa	235

<210> 17306

<211> 158

<212> DNA

<213> Homo sapiens

<400> 17306
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cataccagca tgtctggcta atatttttaa tctttttag agacagggtc tccctttgtc 120
accaggctg gagggtctca ctgctgcctc aacctgtt 158

<210> 17307
<211> 221
<212> DNA
<213> Homo sapiens

<400> 17307
tgatgccgag ctttttttca tgtttgttg ccacataaat gtcttctttt gagaagtgtc 60
tgttcatatc cttcaccac tttttgatag ggtgttctt ttttttctt gtaaataatgt 120
ttaagttctt tgtagattct gaatattagc cctttgtcag atggatacat tgcaaaagt 180
ttctccatt ctgtaggttg cctgttcact ctgatgatag t 221

<210> 17308
<211> 80
<212> DNA
<213> Homo sapiens

<400> 17308
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ggtttttttt tttttttttt 80

<210> 17309
<211> 186
<212> DNA
<213> Homo sapiens

<400> 17309
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attgcagggtg cccaccacta caccagcta atttttgtat ttttagtaga gacggggttt 120
caccatgtta gtcaggctgg tcttgaactc ctgaactcag gtgatccacc cacctcggcc 180
tccaa 186

<210> 17310
<211> 115
<212> DNA
<213> Homo sapiens

<400> 17310
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gctggagtgc aatgggtgtga tcacacctca ctgcagctc aacctccag gctca 115

<210> 17311
<211> 259
<212> DNA
<213> Homo sapiens

<400> 17311
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gtcaacatgg tgaaacctg tctctactaa aaatacaaaa attagcgaag tatagtggcg 120

cgcgctgta atcccagcta ctccagagggc tgaggcagga gaatcacttg aaccccggag 180
gcagaagttg cagtgaagcca aaatcgtgcc actgcactcc agcctgggca acagagcaag 240
actttgaccc tcccctcac 259

<210> 17312
<211> 138
<212> DNA
<213> Homo sapiens

<400> 17312 60
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actactgacc tcaggtgatc tgtgtgtctt ggtcttccaa cgtgctggga ttataggcat 138
gaaccaaccc cccaccca

<210> 17313
<211> 187
<212> DNA
<213> Homo sapiens

<400> 17313 60
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gcttaataaa taatcttgaa tgaataaaca tgacagtaac gtcagtctct cagggttgta 180
cttgacgttt tccaaatcat tctcttcttc tcaaccatgc tttgtatat tctatattct 187
gtcgccg

<210> 17314
<211> 94
<212> DNA
<213> Homo sapiens

<400> 17314 60
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<210> 17315
<211> 160
<212> DNA
<213> Homo sapiens

<400> 17315 60
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gagacagggt ttactatgt ttcccaggct gctctcaaac tcctggactt aagggatctt 160
cctgcctcag cctcccaaag tgctgggatt acaggtgtga

<210> 17316
<211> 79
<212> DNA
<213> Homo sapiens

<400> 17316 60
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aaaaaaaaa aaaaaaaaaa

<210> 17317

<211> 229
 <212> DNA
 <213> Homo sapiens

<400> 17317	
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tcctgcagtc ccagctattc gggaggctga ggtgggagga ttaaaaaaca aacagaaaga	120
aaaaaatgca cagtgcagag agtgggagca atgccaaggt agaaggcatg cactagtact	180
ctctgacttg ggagtactag ggagggtccc tggccaggtt gggggaggt	229

<210> 17318
 <211> 233
 <212> DNA
 <213> Homo sapiens

<400> 17318	
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ccttcaaacc gaatggaatg gaaaggaatg gaatcaacac gagtggaaag gaatggaatg	120
gaatggaatg gaatggaatg atacggaata gaatggaatg gaacgaaatg gaatggaatg	180
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<210> 17319
 <211> 65
 <212> DNA
 <213> Homo sapiens

<400> 17319	
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<210> 17320
 <211> 410
 <212> DNA
 <213> Homo sapiens

<400> 17320	
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ggtttttgta ttttttagtag agatgtgggt tcaccatatt ggccagggtg gtctcgaact	180
gctgacctca ggtgatccac ccactttgat ctcccaaagt gctgggatta taggcatgag	240
ccaccgcgcc cagcctcatt ttaataaatt aataaattct gctctctctg gaggtctaga	300
cctttgagaa ggcttaaaac aaaaaaggag gccaggcatg gggtcacgc ctgtaatccc	360
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<210> 17321
 <211> 272
 <212> DNA
 <213> Homo sapiens

<400> 17321	
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acattctcag tttattggat atcccattac tctttttgtg gagaaggaaac gtgataaaga	120
agtaagcgat gatgaggctg aagaaaagga agacaaagaa gaagaaaaag aaaaagaaga	180
gaaagagtcg gaagacaaac ctgaaattga agatgttggt tctgatgagg aagaagaaaa	240

gaaggatggt gacaagaaga agaagaagaa ga

272

<210> 17322
<211> 469
<212> DNA
<213> Homo sapiens

<400> 17322
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ctggggaatg ttccctgtgc tgattgaaag aatgtgttct gcagttgacg ggtgaagtgt 120
tctgtgaatg tcaaataagt ctattaggtc ttgagtgtag ttttaactctg aggtttcttt 180
gttggtctta tgtttggttg atctgtccac tactgagtgc agtggtgaaa tcccctacta 240
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tacttggttg ctccgatgtt ggggtgcatag atatttatag ntgttatatc ctcttgctga 360
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tagtctatct tatctgttat aaatctgct awtcttgatc ttttttagt 469

<210> 17323
<211> 124
<212> DNA
<213> Homo sapiens

<400> 17323
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gattacaggc gtgagcactg tgcccagctg aaagtttcta catgcttctt tggaacccat 120
ccct 124

<210> 17324
<211> 81
<212> DNA
<213> Homo sapiens

<400> 17324
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aaaaaaaaaa aaaaaaaaaa a 81

<210> 17325
<211> 61
<212> DNA
<213> Homo sapiens

<400> 17325
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t 61

<210> 17326
<211> 100
<212> DNA
<213> Homo sapiens

<400> 17326
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tkgttttttk gttkgtttcc tttttkggaa tttttttttt 100

<210> 17327
 <211> 138
 <212> DNA
 <213> Homo sapiens

<400> 17327
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 actcctaacc acatgatcca cccacctcgg cttcccaaaa tgctgggatt acaggtgtaa 120
 gccaccgcgc ccggccaa 138

<210> 17328
 <211> 166
 <212> DNA
 <213> Homo sapiens

<400> 17328
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 gaaacgtcca gagaaatctg tgaagtccac aagtgtggaa gggaaaggga agtgtgatta 120
 ggctgggata cagaaggcta acagtacact ttatatgaga agagct 166

<210> 17329
 <211> 165
 <212> DNA
 <213> Homo sapiens

<400> 17329
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 attaggtata tctcctaatg ctatccctcc cctctccccc cacia 165

<210> 17330
 <211> 203
 <212> DNA
 <213> Homo sapiens

<400> 17330
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 tgaaacckgg ycyctacyca aaatacaaaa agtagckggg catggkggca tgagcctgta 180
 gtcccagcta ttcagggggc tga 203

<210> 17331
 <211> 90
 <212> DNA
 <213> Homo sapiens

<400> 17331
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 ctattaatct gcctcttggg ccctggcaga 90

<210> 17332
 <211> 151
 <212> DNA
 <213> Homo sapiens

<400> 17332
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 gaaagcaatg tgtggttgcc aggagctgag gggaaggag agtggggaaa tgtgacactt 120
 tcatgccatg gggtttctgt ctggggtgaa a 151

<210> 17333
 <211> 111
 <212> DNA
 <213> Homo sapiens

<400> 17333
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 ctctcaatc agcctcccag atagctggga ctacagggtgc ccamcamcac a 111

<210> 17334
 <211> 171
 <212> DNA
 <213> Homo sapiens

<400> 17334
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 ggggtggaga cttcacattt ctttttcttt ttgagacaga gtcttgctat gtcacccagg 120
 ctggactgca atggcaccgt atcagctcac tgcattcttc acctcccacc c 171

<210> 17335
 <211> 272
 <212> DNA
 <213> Homo sapiens

<400> 17335
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 taggttagag tcaatccctc tgcaagagaa ggttttaggg gccaggcgca gtgtctcacg 180
 cctgtaatcc cggcactttg gggggctggg gcggggcgat cacctgaggt cgggagttcg 240
 ggaccgcct ggtcaacatg gtggaacccc gc 272

<210> 17336
 <211> 125
 <212> DNA
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<400> 17336
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 ttacctaact actgatgatg ttgagcatct ttcctttcct tttctttttt ttcttttttt 120
 ttttt 125

<210> 17337
 <211> 248
 <212> DNA
 <213> Homo sapiens

<400> 17337
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taccctgcct cagcctcctg agtagttggg attacaggca cccactacca cgcccagcta 120
 atttttgtat ttccagtaga gtcgagggtt caccatgttg gccaggctgg tcttgaactc 180
 ctgacctcaa gtcaggacct ccttggcctc ccaaagtgtt gggattacag gtggggagcca 240
 cggcaccc 248

<210> 17338
 <211> 202
 <212> DNA
 <213> Homo sapiens

<400> 17338
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 agtgagtggg gcaattatgg cccactgcag ctccacctct tgggtcaag tgacctccc 120
 gtcttggcct cctgagtagt tgggactaca ggtgcacacc accatgctg actaattttc 180
 tttctttttt tttttttttt tt 202

<210> 17339
 <211> 163
 <212> DNA
 <213> Homo sapiens

<400> 17339
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 gtgtctgaac tttgtttttg attaagtgcc gttcactgtg gacgtcttaa ctgcctggga 120
 cttcaggaac aggttagggg caggggggta gtggaggctg cct 163

<210> 17340
 <211> 233
 <212> DNA
 <213> Homo sapiens

<400> 17340
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 tcacacctgt aatcccagca ctttgggagg ttgaggcggg tggatcacct acggtcagga 120
 gtttgagacc agcctgacca acatggtgaa acctcatctc tactaaaaat agaaaaatta 180
 gctgggcatg gtggcgggca cctgtaatcc tagctactcg ggaggctggg gca 233

<210> 17341
 <211> 99
 <212> DNA
 <213> Homo sapiens

<400> 17341
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 ccgaatgacc agtgggtcag ggaagaaatt aagaggga 99

<210> 17342
 <211> 102
 <212> DNA
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<400> 17342
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 tttctttttg acaaagtctt gctctgttgc ccaggctgga gt 102

<210> 17343
 <211> 144
 <212> DNA
 <213> Homo sapiens

<400> 17343
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 cttggctcac tgcgacctcc gctccccggg ttttaagtgat tctcctgcct cagcctcctg 120
 agtatctagg attataggca cctg 144

<210> 17344
 <211> 167
 <212> DNA
 <213> Homo sapiens

<400> 17344
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 tgtacagttt tccttatatg gtaatcacac atttcttatt aggtatattc atgggcattt 120
 tataaggttt ttgttgctct tgtgaataag ctccactttc ccataac 167

<210> 17345
 <211> 193
 <212> DNA
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<400> 17345
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 agccccctga gcagcttgga ctacaggcgc gtgccaccat gcctagctaa tttttatatt 120
 tgtagtaaag acgggggttc accatattag ccaggctggg cttgaactcc tgacctcatg 180
 atccaccgcg cca 193

<210> 17346
 <211> 102
 <212> DNA
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<400> 17346
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 aaatttttaa gagacatggc ctcaactctgt catccagggt ga 102

<210> 17347
 <211> 161
 <212> DNA
 <213> Homo sapiens

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 gaagaccata aatggatcat cagtgatggg ccagtagatg ctctttggat tgaaaacatg 120
 aatacagtgc tggatgataa caagatgckk dcctggataa c 161

<210> 17348
 <211> 318
 <212> DNA

<213> Homo sapiens

<400> 17348
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gccctgaacc gagagtactt ccgcttcagc gtcgggggca tgactgacgt ggctgagatc 120
aagggccaca ggtaggcctg gctgacagc tctccccacg cactccctc agctgtgctg 180
ccgggcttcg tcttctccg tcacccttta acatctggta gagcaatccg ggttggtggc 240
aaccgattcc actcatgctg gagtaactga aaagtccagc catgtggcgg acttcaggcc 300
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<210> 17349

<211> 139

<212> DNA

<213> Homo sapiens

<400> 17349
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gctcaaactc cagagaagg 139

<210> 17350

<211> 202

<212> DNA

<213> Homo sapiens

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gccgagattg cgccactgca gtccgcagtc tggcctgggc gacagagcga gactccgtct 180
caaaaaaaaa aaaaaaaaaa aa 202

<210> 17351

<211> 131

<212> DNA

<213> Homo sapiens

<400> 17351
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cctcacttta ttttttaacc ccaataaatg tatatccaca ggacattgtt tcttcttttt 120
tttttttttt t 131

<210> 17352

<211> 166

<212> DNA

<213> Homo sapiens

<400> 17352
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attgttaagt ttctgaggc ctcccagcc atgctgaact ggcccatgc agaawmtcat 120
gagacgtgac ttcagaggcc tcctctctga aggtgagggg ggcggc 166

<210> 17353

<211> 198

<212> DNA

<213> Homo sapiens

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tgacygtawt gggawtttaa wtagratccc yttccccccy cctttaatta attaatTTTA 180
attttaatta attttttc 198

<210> 17354

<211> 268

<212> DNA

<213> Homo sapiens

<400> 17354
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atttcacata catatgttta catatttggg gttaagtTTT ttttctTTTT ttttwaatta 180
wactttaagt yctgggatac atgtgcagaa agtgsrgttt gtwacatagt ksbacatgtg 240
ccatggwggg ttgckgcacc catcaacc 268

<210> 17355

<211> 291

<212> DNA

<213> Homo sapiens

<400> 17355
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ggaaagccga gagaccatgc acctgcagaa ctgagtgtca gggcaaagga aaccctgccc 180
ttacacnttc tgcaagaggg tcatgcatca tccatagggc tcgggatttc ctgcttaatg 240
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<210> 17356

<211> 63

<212> DNA

<213> Homo sapiens

<400> 17356
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<210> 17357

<211> 166

<212> DNA

<213> Homo sapiens

<400> 17357
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caaataaagt aaaattaact tcagtctgag ttgtaataaa gaggct 166

<210> 17358

<211> 98

<212> DNA

<213> Homo sapiens

<400> 17358
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tctgtagctc ccggcctctt gctgaccact ggaccaac 98

<210> 17359

<211> 126

<212> DNA

<213> Homo sapiens

<400> 17359
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gatccttctt gtttttcttg ttgactaa tacagatttt aggctatctg aaaactgtca 120
ggaacc 126

<210> 17360

<211> 223

<212> DNA

<213> Homo sapiens

<400> 17360
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catgatacag tgaatatatgc caggaaaatg ttggacata caagtttgta taggaatcct 120
gaatgaggat aaattggcat ttattgtgga taaatgtgca aacctggttt aaaagttcca 180
agtataggca aaattatttt ctgaccactt aactactcca agt 223

<210> 17361

<211> 201

<212> DNA

<213> Homo sapiens

<400> 17361
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gtgtagggtt ttcctattta taacaaacat tgaacactga ctaattacct gcaactgaaa 120
gaggggttaa aaaaaaaagt ctwagtkgag aactgwatyc tcaacttatt ttcaaccac 180
magtgctctt gaagagtatg a 201

<210> 17362

<211> 106

<212> DNA

<213> Homo sapiens

<400> 17362
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ttgaacacaa tgatgttgag gtaaaagggg ccctttcttc ttcttc 106

<210> 17363

<211> 132

<212> DNA

<213> Homo sapiens

<400> 17363
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<211> 128
 <212> DNA
 <213> Homo sapiens

<400> 17369
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 caggtaatcc tcccacctcg gctcccaaaa atgctgggat tactggcgtg agccacctg 120
 cccggcct 128

<210> 17370
 <211> 85
 <212> DNA
 <213> Homo sapiens

<400> 17370
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 gactcgtct caaaaaaaaa aaaaa 85

<210> 17371
 <211> 100
 <212> DNA
 <213> Homo sapiens

<400> 17371
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 ccaggatggt cttgatctcc tgacctcgtg atccgcccta 100

<210> 17372
 <211> 98
 <212> DNA
 <213> Homo sapiens

<400> 17372
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 gccaccatcc agatcagtca gcagccatta acaaggag 98

<210> 17373
 <211> 102
 <212> DNA
 <213> Homo sapiens

<400> 17373
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 atattggtgt caggagata attttgcaaa tggctgggga ta 102

<210> 17374
 <211> 99
 <212> DNA
 <213> Homo sapiens

<400> 17374
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 ggtatatctc ctaaagcaat cctcccccc tccccccac 99

<210> 17375
 <211> 366
 <212> DNA
 <213> Homo sapiens

<400> 17375
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 tttcaacact ttgggaggcc gaggtgggcg gatcacttga ggacaagagt tcaagaccag 180
 cctggccaac atgatgaaac cccatctata ctaaaaatac aaaaattagc ctgggtgtgg 240
 ggtgggtgcc tgtagcccca actactcagg aggtcgaggc aggcgaattg cttgagtcca 300
 ggaggcagag gttgcagtga gctgagatcg tgcaactgca cccagcctg ggtgacagag 360
 cgagac 366

<210> 17376
 <211> 118
 <212> DNA
 <213> Homo sapiens

<400> 17376
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 aaaaagaaaa aaaagatacc attttaggct aagtgcgtta aaattcctac agccagaa 118

<210> 17377
 <211> 148
 <212> DNA
 <213> Homo sapiens

<400> 17377
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 ggtctctctc tgtcacccag gctagagtac agtgggtgtg tcacagctca ctgtaatctc 120
 aaactcctgg gctcaagcaa tcctcckg 148

<210> 17378
 <211> 348
 <212> DNA
 <213> Homo sapiens

<400> 17378
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 tacttcactt agaataatgg ccttcaattt catccagggt gttgcagatg ctattaattc 240
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 agagatttcg aacgcccacc cctcgacttt gaaatctgag caaaacca 348

<210> 17379
 <211> 293
 <212> DNA
 <213> Homo sapiens

<400> 17379
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 cacgctgtaa tcccagcact ttgggaggcc aagggtgggtg gatcacctga ggtcaggagt 120

ttgagaccag cctgaccaac atgggtgaaac tctgtctcta ctaaaaatac aaaaattagg 180
 tgtgggtggca cgcgcctgta atcccagcta ctcaggaggc tgaggcagga gaatcaccca 240
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<210> 17380
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 17380
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 tcacctgagg ttgggagttc gagaccagcc tgaccaacat ggagaaaccc tgtctgtact 180
 aaaaatacaa aaaaatttag ctgggtgtgg tggcgtgtgc ctgtaatccc agctacctgg 240
 gaggtgagg caggaaaatt gccggaaccc aggaggcaga ggttgagggtg agccgagatc 300
 gcaccaccgc actccagnnt gggcataca 329

<210> 17381
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 <212> DNA
 <213> Homo sapiens

<400> 17381
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 ggtttatttg ttttatatac tacaattttt atcattagaa ttacccttc tacttatgga 180
 aaaacagtk aatctgtaca atagcctcaa 210

<210> 17382
 <211> 217
 <212> DNA
 <213> Homo sapiens

<400> 17382
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 aaactaagct tcataagaga aggagaaata aaatccttta cagacaagca aatgctgagg 180
 gattttgtca ccaccaggt tgctttacaa gagctcc 217

<210> 17383
 <211> 83
 <212> DNA
 <213> Homo sapiens

<400> 17383
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<210> 17384
 <211> 202
 <212> DNA
 <213> Homo sapiens

<400> 17384

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 gccgagattg cgccactgca gtccgcagtc tggcctgggc gacagagcga gactccgtct 180
 caaaaaaaaa aaaaaaaaaa aa 202

<210> 17385
 <211> 363
 <212> DNA
 <213> Homo sapiens

<400> 17385
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 gttatcctga gggttaaagt gaatgtttga gattttatcg aatctacttt aagctttgtc 180
 ttgagatct cttattttat tttatttttt ttaatatctt tttttattat actttaagtt 240
 ctagggtaca tgtatacaac gtgcagggtt gttacatttg tatacatgtd ccatgttggt 300
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 tca 363

<210> 17386
 <211> 72
 <212> DNA
 <213> Homo sapiens

<400> 17386
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 cccatagcag ct 72

<210> 17387
 <211> 154
 <212> DNA
 <213> Homo sapiens

<400> 17387
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 gcatgaagat ttaattttcc ctgtcacacc cgca 154

<210> 17388
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 17388
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 ctccatgctg gtcaggctgg tctcgaaact ctgacctcag gtgatcctct cacctcagcc 180
 tcccaaagtg ctaggattac aggcgtgagc tactgtgccc agccta 226

<210> 17389
 <211> 198
 <212> DNA
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<400> 17389
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 ctgcactcca gcttgggtga cagagtgaga ccctgtctca aaaagaaaa gagaaagaga 180
 gaaagattga gagagagc 198

<210> 17390
 <211> 138
 <212> DNA
 <213> Homo sapiens

<400> 17390
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 tacttttttt tttttttt 138

<210> 17391
 <211> 146
 <212> DNA
 <213> Homo sapiens

<400> 17391
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 gtccctcccc cagtccecca cccctt 146

<210> 17392
 <211> 263
 <212> DNA
 <213> Homo sapiens

<400> 17392
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 acaatctttt ttccctcccc tttggctcgc tgtttcaggg ggctgcaaaa ggagtttagac 180
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 gaatgggggc ttctcctcgc cca 263

<210> 17393
 <211> 63
 <212> DNA
 <213> Homo sapiens

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<210> 17394
 <211> 131
 <212> DNA
 <213> Homo sapiens

<400> 17394
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tcccaaggct c 131

<210> 17395
<211> 214
<212> DNA
<213> Homo sapiens

<400> 17395
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gatggatact tttgtatgta tgttgtttg agtttttatt atgaaaatgt atttacttct 180
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<211> 275
<212> DNA
<213> Homo sapiens

<400> 17396
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ggtgatccac ctgccttgcc ctcccaaagt gctgggatta cagtcagtag ccaccgcacc 180
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<210> 17397
<211> 180
<212> DNA
<213> Homo sapiens

<400> 17397
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cactatcatt agcacagtgt ttaataccgt ttcttcatct atawcacaat tataatgata 120
taggaagcca ctcaaataag gcagacatgt tgcgttgccg ttaaaaaaaaa aaaaaaaaaa 180

<210> 17398
<211> 149
<212> DNA
<213> Homo sapiens

<400> 17398
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tatcttccag cccacgcac cccacaga 149

<210> 17399
<211> 317
<212> DNA
<213> Homo sapiens

<400> 17399
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gaaaacatat cctgattcctt tctttgcatt tttcttcgct ctgcctccat tggagtatac 180
 attttcatcc ttactgccat aagcttctaa cagggctcag agtttccacc ttgtccctca 240
 ctcaccagct agaggccttt tgaaaagaag tcaggccact ttcttgctta aatcttccaa 300
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<210> 17400
 <211> 129
 <212> DNA
 <213> Homo sapiens

<400> 17400 60
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 ccgccaat

<210> 17401
 <211> 233
 <212> DNA
 <213> Homo sapiens

<400> 17401 60
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 gtttgagacc agcctgacca acatggtgaa acctcatctc tactaaaaat agaaaaatta 233
 gctgggcatg gtggcgggca cctgtaatcc tagctactcg ggaggctggg gca

<210> 17402
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 17402 60
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 gttttggagt cttgcactgg ccatgagtgt tgkgactgat ggtraccca ggcgggcatt 180
 ttaataaatg gcctgtgatt cttttttgaa agatgctctt ccacaagagt taagccagtt 240
 agrtttctg tttcctcttg ttgatatgag agaagatctc ctgtatttta acacgttttt 261
 accaagaaag gtggcacggg t

<210> 17403
 <211> 154
 <212> DNA
 <213> Homo sapiens

<400> 17403 60
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 tagacatata tgatctaagg tattctggcc attcattagt gctaattgtt tgagaaacaa 154
 gccagaaca aatgattaaa atgtaggcac catt

<210> 17404
 <211> 186
 <212> DNA
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<400> 17404

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 ttcttcactg gccccatcc atctcttttag ccatctgctc caccacactt tttttttttt 180
 tttttt 186

<210> 17405
 <211> 110
 <212> DNA
 <213> Homo sapiens

<400> 17405
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<210> 17406
 <211> 110
 <212> DNA
 <213> Homo sapiens

<400> 17406
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<210> 17407
 <211> 113
 <212> DNA
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<400> 17407
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<210> 17408
 <211> 259
 <212> DNA
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<400> 17408
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 cgcgcctgta atcccagcta ctccagaggc tgaggcagga gaatcacttg aaccccgag 180
 gcagaagtgg cagtgcagca aaatcgtgcc actgcactcc agcctgggca acagagcaag 240
 actttgacct tcccctcac 259

<210> 17409
 <211> 182
 <212> DNA
 <213> Homo sapiens

<400> 17409
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 ttgaactcct ggactcaggc gatectccca cctcagcctc ccaaagtgtc gggattacag 120
 gcatgagcca ctgcactcag cccagttact gcttttcatt cctcacgtct tatggccacc 180
 gc 182

<210> 17410
 <211> 82
 <212> DNA
 <213> Homo sapiens

<400> 17410
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 gcttaaacca atatctagaa gg 82

<210> 17411
 <211> 293
 <212> DNA
 <213> Homo sapiens

<400> 17411
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 ctctgatcc gcccgcttg gcttccaaa gtgctaggat tacaggcgtg agcvaccgca 120
 cctggcgatt tcttctctt ttaaggctaa tattcaattg tctgtaaatt ccacatttgg 180
 ctcatgcatt ccacatgtcg atggacactt tggttgctt acctgtttgc tattgtgaat 240
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<210> 17412
 <211> 84
 <212> DNA
 <213> Homo sapiens

<400> 17412
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 caagatgttg acagcattag tttt 84

<210> 17413
 <211> 163
 <212> DNA
 <213> Homo sapiens

<400> 17413
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 tttagcatta gatatactc ctaatgctat ctctccctcc tct 163

<210> 17414
 <211> 206
 <212> DNA
 <213> Homo sapiens

<400> 17414
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 aaccctcac ctagggtgta agccagcat gcactagcta ttttctctca ggctcttctt 120
 ccctaacctc caccctcatc aacaggcccc agtgtgtgtt gttccctcc ctgtgtccat 180
 gtgttctcat tgttcagccc cacta 206

<210> 17415
 <211> 182

<212> DNA

<213> Homo sapiens

<400> 17415

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aatggctact	tgtccccagg	atgggtctccg	gsatcttctt	catcttgctg	gccccccacc	180
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<210> 17416

<211> 295

<212> DNA

<213> Homo sapiens

<400> 17416

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tgctaagtcc	aagttctttg	aggacagtga	ggatgagtca	gatgaggcgg	aggawkaaga	180
ggaagacagt	baggaatgca	gagaggaaga	ggatggctac	agcagttagg	aggcagagaa	240
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<210> 17417

<211> 181

<212> DNA

<213> Homo sapiens

<400> 17417

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ccactgcaac	tctagcctgg	cgacagagcg	ggactccatc	tcaaaaaaaaa	aaaaaaaaaaaa	180
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<210> 17418

<211> 55

<212> DNA

<213> Homo sapiens

<400> 17418

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<210> 17419

<211> 164

<212> DNA

<213> Homo sapiens

<400> 17419

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gggaagtccc	ctaacccttt	gcacttcccg	ggtgagacaa	caccccccca	atccccgccc	120
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<210> 17420

<211> 120

<212> DNA

<213> Homo sapiens

<400> 17420
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gcacctggcc aaaagctatt aattttaata gagtctaact tacaagtttt tttttttttt 120

<210> 17421
<211> 91
<212> DNA
<213> Homo sapiens

<400> 17421
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gcctgggcga cagagcgaga cccccgtctc a 91

<210> 17422
<211> 183
<212> DNA
<213> Homo sapiens

<400> 17422
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gcgtcactgc actccagcct gggatgacaga atgagactcc atctcaaaaa aaaaaaaaaa 180
aaa 183

<210> 17423
<211> 126
<212> DNA
<213> Homo sapiens

<400> 17423
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taaactgccc tccctgacct gtggaacact ctggcattta atttttcact gaaatagctg 120
aggctc 126

<210> 17424
<211> 172
<212> DNA
<213> Homo sapiens

<400> 17424
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gataaaattc agtgggtttt agaattattca cagcaacat catcactctc atttcacatt 120
ttaatcatcc taaaaagaaa ctcattatta ttagcaatct ctccccagtc cc 172

<210> 17425
<211> 114
<212> DNA
<213> Homo sapiens

<400> 17425
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<210> 17426
 <211> 125
 <212> DNA
 <213> Homo sapiens

<400> 17426
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 agtgc 125

<210> 17427
 <211> 135
 <212> DNA
 <213> Homo sapiens

<400> 17427
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 tgtccactcc cctcg 135

<210> 17428
 <211> 191
 <212> DNA
 <213> Homo sapiens

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 aaattcaggw tgctcactgc aacagtatat tattgttatg cttatagcag ataagtgtgt 180
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<210> 17429
 <211> 135
 <212> DNA
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<400> 17429
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 ctgtcaactg gatgc 135

<210> 17430
 <211> 171
 <212> DNA
 <213> Homo sapiens

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<210> 17431
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<213> Homo sapiens

<400> 17431
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<210> 17432

<211> 99

<212> DNA

<213> Homo sapiens

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<210> 17433

<211> 262

<212> DNA

<213> Homo sapiens

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aaccagaaaa tatctcagtc ttttggtctg aatttgtttt ctttggtta gattcttaaa 180
gtagaaaaaa aaaaactact acttattttg waaacatttt gaggattttg attcagatat 240
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<210> 17434

<211> 149

<212> DNA

<213> Homo sapiens

<400> 17434
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<210> 17435

<211> 166

<212> DNA

<213> Homo sapiens

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ttgatttttg tataacgtga gagtggagga tccagctcat tcttctacat gtggcttgcc 120
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<210> 17436

<211> 122

<212> DNA

<213> Homo sapiens

<400> 17436
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tt 122

<210> 17437
<211> 120
<212> DNA
<213> Homo sapiens

<400> 17437
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tgccctcccg gttcaagcga ttctcctgtc tcagcacct ctcccccgcg tcccccccg 120

<210> 17438
<211> 141
<212> DNA
<213> Homo sapiens

<400> 17438
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tgggtgcgctg caccactaa ctcgtcatct agcattaggt atatctccca gtgctatccc 120
tccccctccc cccacccccg t 141

<210> 17439
<211> 126
<212> DNA
<213> Homo sapiens

<400> 17439
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gggtttcacc aagttggcca ggttggctcg aactcctgac ctcaggtgat cctcctgcct 120
cggccc 126

<210> 17440
<211> 149
<212> DNA
<213> Homo sapiens

<400> 17440
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tgtacaccac atggagacaa tgagtctgta gatttcttag taactggccc cagcagacgg 120
cagccactgc ctgagagggc accccaact 149

<210> 17441
<211> 198
<212> DNA
<213> Homo sapiens

<400> 17441
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ctcagcctcc ccagtagctg ggactacagg tgcccaccac cagcccagc taattttttt 120
tttkgwattt ttagtagaga cgggggttca ccacgttagc aaggatggtc tcgatctcct 180
gacctcgtga tccaccct 198

<210> 17442

<211> 339
 <212> DNA
 <213> Homo sapiens

<400> 17442
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 tctagttctt ttagttgtga tggtaggtg tcaatttgag atctgtctag ctttttgatg 120
 tgggcattta gtgctgtaat tttctgtctt aacactgctt tatctatttv ccagagattc 180
 tggatatgtg tctctttgtg cacaaaacca cacaactaca tgaaaactga acaatctacc 240
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<210> 17443
 <211> 176
 <212> DNA
 <213> Homo sapiens

<400> 17443
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<210> 17444
 <211> 158
 <212> DNA
 <213> Homo sapiens

<400> 17444
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 tgagccacca tgccctgcta tttttttttt tttttttt 158

<210> 17445
 <211> 87
 <212> DNA
 <213> Homo sapiens

<400> 17445
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 atggagcact tttttttttt tttttttt 87

<210> 17446
 <211> 170
 <212> DNA
 <213> Homo sapiens

<400> 17446
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 ttattattct ctctgaatgc acacacacag gtattttttt ccctggacc 170

<210> 17447
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 <212> DNA

<213> Homo sapiens

<400> 17447

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ctgaagatta	tctgttgata	cctcaaaaca	gtccttggtt	ttccagtgtg	aaaactgagg	180
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<210> 17448

<211> 160

<212> DNA

<213> Homo sapiens

<400> 17448

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<210> 17449

<211> 140

<212> DNA

<213> Homo sapiens

<400> 17449

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gccctccggg	ttcacaccat	tctcctgcct	cagcttcccg	agtagttggg	actacaggcg	120
cccgccacca	cgcccgctg					140

<210> 17450

<211> 131

<212> DNA

<213> Homo sapiens

<400> 17450

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<210> 17451

<211> 243

<212> DNA

<213> Homo sapiens

<400> 17451

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ctccttccac	tctgatcctg	gctaaaaaca	acctagccac	atcgggggtt	ttagttcttg	180
gaatatacca	gtctcttccc	catctatagc	attcatacat	gctgttcctt	ctgcctgggg	240
taa						243

<210> 17452

<211> 98

<212> DNA

<213> Homo sapiens

<400> 17452
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 cacaaaaggt cacgaagtag agaaagaagg tggagcac 98

<210> 17453
 <211> 139
 <212> DNA
 <213> Homo sapiens

<400> 17453
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 ctttttagtg gtgacagtgt ttcactgtgc tgaccaggcc catcttgaac tcttgacctc 120
 agtgatcca tctgcccc 139

<210> 17454
 <211> 110
 <212> DNA
 <213> Homo sapiens

<400> 17454
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 aatggccata ctgcccgaagg taattttatac attcaatgcc atccccccga 110

<210> 17455
 <211> 166
 <212> DNA
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<400> 17455
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 ttgatttttg tataacgtga gagtggagga tccagctcat tcttctacat gtggcttgcc 120
 aattatccca ccaccattt tttgaatagg gtgtccttcc cccact 166

<210> 17456
 <211> 133
 <212> DNA
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<400> 17456
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 cacagggatt atgtttgaag gttcttaggc actgcattgg gattcatgtg acctttgcta 120
 taccaggggg cac 133

<210> 17457
 <211> 152
 <212> DNA
 <213> Homo sapiens

<400> 17457
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 atcccccttc atttgatgtt tggaaaattc cagtaattat catttttgca acgaatatgg 120
 ataccacata gtactttggt gttacctact tc 152

<210> 17458
 <211> 78
 <212> DNA
 <213> Homo sapiens

<400> 17458
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 gctgatctgg ctggccta 78

<210> 17459
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 17459
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 tccattact cctcccccaa agtctgagag gggcattcag aaattttaca aaatctcttt 120
 tcggagatta tttaaaacac acataccaaa accatatgcc tatctgacta aggtgactat 180
 gggaagagtg aaggagtaga agagcatgta gatttatctg tactgtcggg tgctggtgct 240
 a 241

<210> 17460
 <211> 120
 <212> DNA
 <213> Homo sapiens

<400> 17460
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 ttttatccct gctttgtcat ttaatacctt tgcaaaaatg gacaaatcat ttagtctttt 120

<210> 17461
 <211> 63
 <212> DNA
 <213> Homo sapiens

<400> 17461
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<210> 17462
 <211> 388
 <212> DNA
 <213> Homo sapiens

<400> 17462
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 aaggcagcaa aactcaggtt caaacctggg cagcctggct ccaacacaga gcccaaaggg 120
 aagacacgaa ctccttcacc tttcagacag aatgcaacac ttcagcgcaa gtttttttgg 180
 aaaacaccct ggcaaaaagt agcatgtatc ctgggtttta aaaagtcat tccctttgat 240
 gcaatattgg gactctaaga agttgaatca agaccacata ttatagaggg aaacagagaa 300
 aacttatcta ccggcaaaaa ggtgctcagg tgtcattctg aacaccagtc agcctgaggt 360
 ggcccttctc ccaggcccta cccaccca 388

<210> 17463

<211> 208
 <212> DNA
 <213> Homo sapiens

<400> 17463
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 cttgcagtga gccgagatcg cgccactgca ctccagccta ggcgacagag caagaatcca 180
 tctcaaaaaa aaaagaaaaa agaaaaga 208

<210> 17464
 <211> 137
 <212> DNA
 <213> Homo sapiens

<400> 17464
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 aggaattttt ttctctctat tggggctgta catttcttct tctctctctc tctctctttt 120
 tttttttttt tttttt 137

<210> 17465
 <211> 227
 <212> DNA
 <213> Homo sapiens

<400> 17465
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 tttatgaatt atacaattta tggatgaca gaagaccaag ggacataaca caaatttgga 120
 gttaaagaaa ttaacagaca ttctcaataa ttctcagct attatggcag agatgctggg 180
 acaatggatg tccatgtagc agtacttttt tttttttttt tttttt 227

<210> 17466
 <211> 51
 <212> DNA
 <213> Homo sapiens

<400> 17466
 aattttttct attggattgg tttatttact ttcaatttgt cttttttttt t 51

<210> 17467
 <211> 216
 <212> DNA
 <213> Homo sapiens

<400> 17467
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 cactctgwy cccaggctgg agtgcagtgg catgatcatg gctcactgca gcctcgacat 180
 ccgggacca gtgttttwt aatttttttt tttttt 216

<210> 17468
 <211> 207
 <212> DNA
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<400> 17468
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 mctggggata caggcatgag ccaccacgcc cagccaacaa cacttcttta atatttaata 180
 ctcagttcat gttcagtttt ctcat 207

<210> 17469
 <211> 96
 <212> DNA
 <213> Homo sapiens

<400> 17469
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 caagatgttg acagcattag tttttttttt tttttt 96

<210> 17470
 <211> 150
 <212> DNA
 <213> Homo sapiens

<400> 17470
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 caatgtgctg ctagattttg tttgctagta ttttggtgag gatttttgca actatattca 120
 tcaatgatat tggcctgaag ttttcttttc 150

<210> 17471
 <211> 127
 <212> DNA
 <213> Homo sapiens

<400> 17471
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 tggccaacat ggagaaatcc tgtctctact aaaaatacar aaattagctg ggcattggtg 120
 tgggtgc 127

<210> 17472
 <211> 175
 <212> DNA
 <213> Homo sapiens

<400> 17472
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 ggaattactg agttcaaatt cctaattgat cttgggttac actttgcttt gtttctccta 120
 gtttctktwt atatgatccg gagtggcact ggtaataaga ttgaagaagg tgggc 175

<210> 17473
 <211> 101
 <212> DNA
 <213> Homo sapiens

<400> 17473
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 tttcactgtg ttagccagga tgggtctgat ctctgacct c 101

<210> 17474
 <211> 138
 <212> DNA
 <213> Homo sapiens

<400> 17474
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 ggacagggag agccatctgg ctgcagttaa tcttttctcc taatggaaaa cttaatgttt 120
 ctgatgctcc tggcacgt 138

<210> 17475
 <211> 144
 <212> DNA
 <213> Homo sapiens

<400> 17475
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 ggattttggg gttggttcaw wtgtttattt tccaagagtc cttacgggtt ggaagggact 120
 tgggcatgtg ctctgggggtg aggt 144

<210> 17476
 <211> 178
 <212> DNA
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<400> 17476
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 ccacgcgctc ctgccccctt ctgcagaaac tgatgctctg agaggccaag cagtttgccc 120
 aagattacac agtcttagcc gtgcctggga gaaccttctc ttcaactctg ccggcacc 178

<210> 17477
 <211> 171
 <212> DNA
 <213> Homo sapiens

<400> 17477
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 ggggtttcac gtgaaaccag gaggtctaga aagcacaggg atcctctcct caaggaagaa 120
 cttgccccct cccccaaagc caagagtgcc cctgcagagc gaggcagagt a 171

<210> 17478
 <211> 67
 <212> DNA
 <213> Homo sapiens

<400> 17478
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 tgctttt 67

<210> 17479
 <211> 59
 <212> DNA
 <213> Homo sapiens

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cagtttttcc	tttccatatt	tcctttcttc	aggaaggacc	ggtggtaata	aaatctctca	120
gcatttgctt	gtctgtaaag	gattttat	ttccctttgc	ttatgaagct	caatttggct	180
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ttgtgggtta	cctgatcttt	ctctctggct	gvncttaaca	ttgtwtcctt	catttcaacc	360
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<210> 17485

<211> 180

<212> DNA

<213> Homo sapiens

<400> 17485

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gagaaaagg	aggaaacggc	agagccagag	agaaagagga	agagactgag	tgtgaaggag	120
agaggacaca	ggggatgact	gagagagaga	gagagagaga	gagagagaga	gagagagaga	180

<210> 17486

<211> 293

<212> DNA

<213> Homo sapiens

<400> 17486

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gctatcataa	caaaaaagca	tccagaggca	ataggcaaac	aaatagggtt	tattaaacaa	120
tgaaaatggc	tcttagcaga	gaggagagct	ggagagggga	caggatgggc	aggatcatct	180
ccccgaagt	caggatcatct	cttccatagt	ccactgcctc	ttccctgaag	tttggccatc	240
tcttccccaa	attccagttg	tctccttgaa	gtccaggcat	ctcccccttt	aga	293

<210> 17487

<211> 241

<212> DNA

<213> Homo sapiens

<400> 17487

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gttttagctt	ttttattttt	attttatttt	ttatttttat	actttaagtt	ttagggtaca	120
tgtgcacatt	gtgcaggtta	gttacatatg	tatacatgtg	ccatgctggg	gtactgcacc	180
cactaactcg	tcattctagca	ttagggtatat	ctcccaaagc	tatccctccc	cccaccccc	240
a						241

<210> 17488

<211> 138

<212> DNA

<213> Homo sapiens

<400> 17488

gtaaatattg	gcctagtgc	tctgccttgg	tttccccact	tgaaggaagc	agatagaaca	60
gtatcctccg	aggagtggag	gctggggatc	ggtgaattat	tgataaaagg	agagctctta	120
acctagcctg	gcacgtta					138

<210> 17489

<211> 90

<212> DNA
<213> Homo sapiens

<400> 17489
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ttgattttga tttttttttt tttttttttt 90

<210> 17490
<211> 144
<212> DNA
<213> Homo sapiens

<400> 17490
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tcccaggggc aggagagtac agctgcccac gcaggcacac tgcagacggc cctggcactg 120
cctcccacct gctacaggac ctgc 144

<210> 17491
<211> 194
<212> DNA
<213> Homo sapiens

<400> 17491
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aaaatattat ttgaaatatg ccttgccacat ggcaactcagc gtgtttatct agggcagcgt 120
gtggcagctc agtcctcctg caatacctca aactgcacaa ctaaatagtc agcatctgtt 180
atactcccgc acat 194

<210> 17492
<211> 126
<212> DNA
<213> Homo sapiens

<400> 17492
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atgatctgcc tgccttggcc tcccataatt ctgggattac aggcgtgasm actgcacccg 120
gcgcac 126

<210> 17493
<211> 110
<212> DNA
<213> Homo sapiens

<400> 17493
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gcccttaacc aagcatatgt gggttttttt gggtgtkttt ttttgttttt 110

<210> 17494
<211> 143
<212> DNA
<213> Homo sapiens

<400> 17494
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aacatcactt tggtagtgat att 143

<210> 17495
<211> 110
<212> DNA
<213> Homo sapiens

<400> 17495
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cagtggaaaca aaattgaaaa tcaactccaa aaggagccct cagaaccgcg 110

<210> 17496
<211> 214
<212> DNA
<213> Homo sapiens

<400> 17496
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tggcatctgg cagggtgccc tctgggacaa agcttccaga ggaaggaaca ggcagcaatc 120
tttgcgttgc tgcagcctcc gctgggtgata cccaggcaaa cagggtctgg agtggacctc 180
cagcaaatta cagcagacct gcagcagacg ggca 214

<210> 17497
<211> 126
<212> DNA
<213> Homo sapiens

<400> 17497
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gatgaggttt caccatgttg gccacgctgg cctggaatgc ctgacctcaa gtgatctgcc 120
caccat 126

<210> 17498
<211> 325
<212> DNA
<213> Homo sapiens

<400> 17498
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ttttttaatc tctgatttta tttatatggg tttctctcca tttggcaaaa ggtttgtcaa 120
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tttcywtttt taatataggc ccaat 325

<210> 17499
<211> 169
<212> DNA
<213> Homo sapiens

<400> 17499
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ttgctatagc cttgacctgc caggctcaag tgatcctcct gccttaacct cttcaaatag 120

ctacaggtgc tcaccaccat gcctggctat tttttttttt ttttttttt

169

<210> 17500

<211> 306

<212> DNA

<213> Homo sapiens

<400> 17500

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ccatgccccg	ctaatttttt	gtatctttag	tagagatggg	gtttcaccat	gttggccggg	180
ctgrwctcgg	gctcctgacc	tcwrgatccg	cctgcttttg	cctcccaaag	tgctgggatt	240
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tagacg						306

<210> 17501

<211> 354

<212> DNA

<213> Homo sapiens

<400> 17501

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ccgaggcttg	cggatcacct	ggggtccgga	gcttgagact	agcctgacca	acatggagaa	180
accccgctct	cactagaaat	acaaaatgag	tcgggagtgg	tggcgcatat	ctataatccc	240
agctactcgg	gaggctgagg	caggaaaatc	gcttgaacct	aggakkcaga	ggttgcagtg	300
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<210> 17502

<211> 106

<212> DNA

<213> Homo sapiens

<400> 17502

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<210> 17503

<211> 140

<212> DNA

<213> Homo sapiens

<400> 17503

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ggactacagg	cgcacaccac					140

<210> 17504

<211> 211

<212> DNA

<213> Homo sapiens

<400> 17504

gggaatttga	wtgggggtaa	tacctataga	gatacaagaa	acatttagga	gtttaacata	60
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aatctttgtt acctttatgc tcattatttg ctattatwtw tatttwtatd tttttgagac 120
agagtctcac tcttgtcacc caggctggag tgcagtgcgt gacctcatct cactgcaacc 180
tccgcctccc aggctaaggc aggagaatcg c 211

<210> 17505
<211> 90
<212> DNA
<213> Homo sapiens

<400> 17505
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ccgtaattta cttttttttt tttttttttt 90

<210> 17506
<211> 242
<212> DNA
<213> Homo sapiens

<400> 17506
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ccggctacag agtcagaggc cccgctgaag gaggatggc ttttgcccaa accactctct 120
tctgggggag aggaasaaga aaaaccccg ggcgaggctt ctgaggacct gtgtgagatg 180
gccctggacc cagaactgtt gctttctgagg gatgatggag aggaggagtt tgcaggagca 240
as 242

<210> 17507
<211> 99
<212> DNA
<213> Homo sapiens

<400> 17507
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ttgggctgta aatatgtgca gtcttatttc tgggtcctc 99

<210> 17508
<211> 216
<212> DNA
<213> Homo sapiens

<400> 17508
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atgcctttc tgtytgtag ttttccttct aacagacagg accctcagct gcaggctctgt 180
tggagtaccc tgccctgtga ggtgtcagtc cgccct 216

<210> 17509
<211> 113
<212> DNA
<213> Homo sapiens

<400> 17509
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tcaccatgtt agccaggatg gtctcaatct cctgacctcg tgatccaccc acc 113

<210> 17510
 <211> 122
 <212> DNA
 <213> Homo sapiens

<400> 17510
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 aattacttcc caccaggacc ctccatgac atgtgggaag taattgaats acaggaatgg 120
 gt 122

<210> 17511
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 17511
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 tcatgcttgg tttagaagct ggggtgtctt tctcctgcc ccagtcctgt ctwwgctttt 180
 atagtgcac ataccaccag tagaaccgag ccaggttctt gccatgtgga cgctgttctt 240
 gcctgagagt ctcttagagg aaggctggga acactgtgga aagactgggc atctctgcag 300
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<210> 17512
 <211> 195
 <212> DNA
 <213> Homo sapiens

<400> 17512
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 ttccccaggc tggagtgcag tggcgcgac tgcggcctct cctcccagg ttcaagtgat 120
 tctcctgtat catcctcccg agtggctggg attacaggcg tgtgccacta tgtgtggctg 180
 atttttgtga tgtga 195

<210> 17513
 <211> 101
 <212> DNA
 <213> Homo sapiens

<400> 17513
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 tcatctagca ttaggtatag ctcccaatgc tatccctccc c 101

<210> 17514
 <211> 86
 <212> DNA
 <213> Homo sapiens

<400> 17514
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 ggtaaaatga ttcctttttt tttttt 86

<210> 17515
 <211> 236

<212> DNA

<213> Homo sapiens

<400> 17515

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gcttcctaag	gtggcagga	agaggctctg	cacttggtga	tactatccca	acatctcaga	120
actgagaggc	aagaatatga	atcacatggg	gaatcactga	cagcctcagg	tcctccttta	180
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<210> 17516

<211> 76

<212> DNA

<213> Homo sapiens

<400> 17516

cacaaccttt	ttcctgttct	gtctttaaat	aatacttgtg	tgtatttgtg	gagtctagt	60
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<210> 17517

<211> 176

<212> DNA

<213> Homo sapiens

<400> 17517

attggccggg	tgtggtggcg	ggtgcctgtg	gtcccagctg	ctcgggaggc	tgaggcagga	60
gaattgcttg	aaccggggag	gcagagggtg	cagtgggtcg	aggtcatgcc	actgcactcc	120
agcctgagca	acaagagcga	aattccatct	taaaaaaaaa	aaaaaaaaaa	aaaaaa	176

<210> 17518

<211> 286

<212> DNA

<213> Homo sapiens

<400> 17518

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agtgccatct	cggctccctg	caacctccgc	ctcccagggt	gaagcaattc	ttctgcgtca	120
gccttctgag	tagctggaat	tacaggcacg	tgccaccacg	cccgactaat	ttttgtattt	180
ttagcagaga	cggggttttg	tcatgttggc	caggctgggc	tcgaactcct	gacctcagcc	240
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<210> 17519

<211> 250

<212> DNA

<213> Homo sapiens

<400> 17519

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atagctggga	ttacagccat	atgctatcat	gcctggctat	tttttgattt	tttagtaaag	180
atggtttcac	cctgttggcc	aggctgggtc	cgaactcctg	acctcaagtg	atccaccoga	240
cccagccact						250

<210> 17520

<211> 182

<212> DNA

<213> Homo sapiens

<400> 17520

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gctatagtag cattttgggt gattccatgt ctctgctatc tttatggtag aatgatttat    60
attcctctgg gtatatactc agtaatggaa ttactgggtc aaatgggtgg actgctttta    120
actctttgag gtatcatcat actgccttcc acaatgggtg aactaattta tactcccacc    180
tt                                                                    182
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<210> 17521

<211> 102

<212> DNA

<213> Homo sapiens

<400> 17521

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aaaagtaatt ctgttttaac ataactgact tgtaggtgaa cttctggaca acagtgtttt    60
tctcaattag gaactgccta cgctgtactt tctctgcagc ta                        102
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<210> 17522

<211> 156

<212> DNA

<213> Homo sapiens

<400> 17522

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tctgggtgct cctgtattgg gggcacatat atttaggata gtcagctctt cttgttgaat    60
tgatcccttt accattatgt aatggccttc tttgtctctt ttgatctttg ttggtttaaa    120
gtctgtttta tcagagacta ggattgcaac cctgac                                156
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<210> 17523

<211> 159

<212> DNA

<213> Homo sapiens

<400> 17523

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tctctattaa aaatacaaaa attagccggg cgtgggtgcc tgtagtccca gctactcagg    60
aggctgaggc aggagaatca ctgaacccg ggaggcggag gttgcagtga ttctccwgcc    120
tcagcctcct gagtagctgg gactacaggc acccacccc                            159
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<210> 17524

<211> 133

<212> DNA

<213> Homo sapiens

<400> 17524

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tcaaaattgc tgattgggag gccggctgca gtggcccgtg cctgtagtcc tagcacttcg    60
agaggctgag gcaggatgaat tgcttgagct taggagtttg agaccagcct ggacaacaca    120
acaaaacccc acc                                                         133
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<210> 17525

<211> 151

<212> DNA

<213> Homo sapiens

<400> 17525

004220 "666E"550

acagggcttg tgttgatgrr atccctcagc ttttattggt ctgggaaagt ctttagttat	60
tcttcatggt tgaaggatat tttcaccagg tatattattc tagggtaaaa gtttttttcc	120
ttcagcactt taaatatgtc atgccactct a	151

<210> 17526
 <211> 82
 <212> DNA
 <213> Homo sapiens

<400> 17526	
tatttttttag tagagatggg gtttcacaat gttggccaga ctggtcttga actcctgacc	60
tcaggtgatc tgcccgcctg gc	82

<210> 17527
 <211> 86
 <212> DNA
 <213> Homo sapiens

<400> 17527	
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cgccttggcc tcccaaagtg ctggga	86

<210> 17528
 <211> 153
 <212> DNA
 <213> Homo sapiens

<400> 17528	
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gctcatctgc ttgcttgttt ttccagctgc ccgggtgtct tcttgatgca gtgtgccaag	120
gtgaagagtm wtggttgag agaaggtggg aaa	153

<210> 17529
 <211> 262
 <212> DNA
 <213> Homo sapiens

<400> 17529	
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aatttgtgtt agttaattga accattttca tattagcaga tgagacctag aaaagggtctt	120
agaacacata agttttgagc ttaatttctt tcttgaaacg gtgtatctca actctgtcac	180
ctaggctgga gtgcagtggg gctttcatag ctactgcaa cctcaaactc ctcaactaaa	240
tgatcctccc accccacccc ct	262

<210> 17530
 <211> 176
 <212> DNA
 <213> Homo sapiens

<400> 17530	
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cctgataaac aagaagataa taacaacagt ctccagcaag ccagagttgc aagggtatttt	120
ggtgggtggca cctttattct ttaggggtctt agggccacaa aaattcctca accaga	176

<210> 17531
 <211> 190
 <212> DNA
 <213> Homo sapiens

<400> 17531
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 cgggttcaag agattctcct gcctcagcct ctgagcagct gggattacag gtgcccgccca 120
 ccgtgcccgg ctaatttttg tatttttttag tagagawrgg gtttcaccac cttggccagg 180
 cgcggtggct 190

<210> 17532
 <211> 243
 <212> DNA
 <213> Homo sapiens

<400> 17532
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 ttaggattgc agtttttctc ttttttcttt tttcttttt ttcttcccc aaccctgcc 120
 aattattatt cttttttatt ctggtaacat aacatagata aaatttacca tcttaactat 180
 ttttaagtac ggttcagtgg tattaagtgc attcccacag ttgtgaacca ttatccccgt 240
 ctt 243

<210> 17533
 <211> 238
 <212> DNA
 <213> Homo sapiens

<400> 17533
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 caggcaagtt ttctttgaac tgttgcaatg gtaatcaaaa tcattcacac atttttataa 180
 gaaactaaat atagtcatta atcatcaatt aataagtgat caattgatga ctgcccc 238

<210> 17534
 <211> 142
 <212> DNA
 <213> Homo sapiens

<400> 17534
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 agagcatggc ggtttcaccg tcttggttag gctgggtctt aacacctgac ctgaggtgat 120
 ccaccacct cggcctccct gt 142

<210> 17535
 <211> 149
 <212> DNA
 <213> Homo sapiens

<400> 17535
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 attgcaggcg tgagabagcg cacctggcct atagtaacat tttaatcaaa acacagcatc 120
 ataggtggag actgaaagcc taccattat 149

<210> 17536
 <211> 139
 <212> DNA
 <213> Homo sapiens

<400> 17536
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 atacaaaaaa ttagccgcgc gtggtggcag gcgcctgtca tcccagctac tcaggagact 120
 gaggaatcac ttgaacccg 139

<210> 17537
 <211> 53
 <212> DNA
 <213> Homo sapiens

<400> 17537
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<210> 17538
 <211> 164
 <212> DNA
 <213> Homo sapiens

<400> 17538
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 atggaatgca atggaatgga atcatccgta atggaatgga aaggaatgga atggaatgga 120
 atggaatgga atcaactcga ttgcaatcga atggaatgga atgg 164

<210> 17539
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 17539
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 tgcttgcaag cttctttttt ctcattaaat ataaaatatt ttgtaatgct gcacagaaat 120
 tttcaatttg agattctaca gtaagcgttt tttttctttg aagatttatg atgcacttat 180
 tcaatagctg tcagccgc 198

<210> 17540
 <211> 271
 <212> DNA
 <213> Homo sapiens

<400> 17540
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 ggagaatcgc ttgaaactgg taggcagcgg aggttgacgt gagccgggat cgcgcgctg 120
 cactccagcc tgggcgacaa gagcgaaatt ccatcttggt gaaaaaagaa gtttccttca 180
 gtgacggact gacagacccc acttatgatg gtcaggccat aagattgtaa tggagctgaa 240
 aaatttctca cttcatgagt gaaagaagcc t 271

<210> 17541
 <211> 139
 <212> DNA

<213> Homo sapiens

<400> 17541

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gatttagttt atcctagatg agctaaagtc acttcaaact aaaagtaaaa atctaagtgt	120
gatttttaaa agacactga	139

<210> 17542

<211> 79

<212> DNA

<213> Homo sapiens

<400> 17542

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<210> 17543

<211> 164

<212> DNA

<213> Homo sapiens

<400> 17543

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atggaatgca atggaatgga atcatccgta atggaatgga aaggaatgga atggaatgga	120
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<210> 17544

<211> 182

<212> DNA

<213> Homo sapiens

<400> 17544

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aagcaaaaac atagagaatt actttatgtg tctggtttta caagcaattt tgggttgga	120
tttagagtat gtgacaagga gcacatctggga aaagatcaat taggaggctt ttttttttt	180
cc	182

<210> 17545

<211> 86

<212> DNA

<213> Homo sapiens

<400> 17545

cagtggtttg tcttgatact tgtaagtga gctgtttctc cccaattatg aaatgcggtg	60
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<210> 17546

<211> 133

<212> DNA

<213> Homo sapiens

<400> 17546

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aacatccgcc ccccggttc acaccattct cctgcctcag cctcccagat agctgggact	120

acaggcaccc gcc

133

<210> 17547
<211> 122
<212> DNA
<213> Homo sapiens

<400> 17547
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caattctcct gcctcagcct cccgagtagc tgggrstaca gacgcatgcc accacaccg 120
gc 122

<210> 17548
<211> 93
<212> DNA
<213> Homo sapiens

<400> 17548
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gagtgcaggg gaatggaatg gaatggaatg cta 93

<210> 17549
<211> 216
<212> DNA
<213> Homo sapiens

<400> 17549
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ggctggagtg caatcatgtg atctcagctc actgcaacct ctgcctccct ggttcaagcg 120
attctcctgc ctcagcctcc tgagtagccg ggtatgggtg cgcattgctg taatcccagc 180
tactcaggag gctgaggcag gagaatcgct tgaacc 216

<210> 17550
<211> 130
<212> DNA
<213> Homo sapiens

<400> 17550
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catcccccat ctcaccattc tgccccagcg ccttggtatcc tgcctctacc acttcttccc 120
tgcagcggtg 130

<210> 17551
<211> 120
<212> DNA
<213> Homo sapiens

<400> 17551
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cctaccctaa ggatgtgggc caaaaactgt ctaggatgat caattttttt tttttttttt 120

<210> 17552
<211> 135
<212> DNA

<213> Homo sapiens

<400> 17552
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 gcaccactgc actcc 135

<210> 17553

<211> 125

<212> DNA

<213> Homo sapiens

<400> 17553
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 ggctgaggca ggagaatggc ataaaccag gaggcggagg ttgcagtgaag ctgagatcac 120
 accat 125

<210> 17554

<211> 239

<212> DNA

<213> Homo sapiens

<400> 17554
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 aggmwagagg aactgagaag aatgtgattt aacattctgc ctaagggaat gagggagtdt 120
 tcacagaaga gmwgataaaa mtggaagctt agacaattac acaaggacat aatatataca 180
 aatcarrtta ttaattcaga atcacaaaaat gttttttgtc ttctgtcaac tgatgmwgg 239

<210> 17555

<211> 101

<212> DNA

<213> Homo sapiens

<400> 17555
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<210> 17556

<211> 91

<212> DNA

<213> Homo sapiens

<400> 17556
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 ttcattcatt tcattctcca ttgctgatac c 91

<210> 17557

<211> 221

<212> DNA

<213> Homo sapiens

<400> 17557
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 ctaagtgacc ctgagtaagt cacttaccct gtctggggct cagtttcatc atgtataagt 120

gaggggtgttg gtcagtaatt ttcaaaactga agttcaaaga ctatcttgag ttcttgtttt 180
 aaatgcagggt ttctgagcct cattgaaacc tcccagcctt t 221

<210> 17558
 <211> 207
 <212> DNA
 <213> Homo sapiens

<400> 17558
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 tttggwgggtc aagggtgaga ccaccctrtc ccccgaccct gcatcaccca cactaagcca 120
 tcctctccca aggattccat gacatcattg gcccaaawwg tgggtgctgc caccgtcttc 180
 caagaagggtg aacccatccc cctcttc 207

<210> 17559
 <211> 114
 <212> DNA
 <213> Homo sapiens

<400> 17559
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 aaatcttgcc atctgattta gaaagggtgtt ttttcttctt cttctttttt tttt 114

<210> 17560
 <211> 215
 <212> DNA
 <213> Homo sapiens

<400> 17560
 aagaattcgc acaccaccag agaaaataat ctttattaaa atgaaaacag gaaggaaaag 60
 aagaagaaaag agaagaccaa aaagaaaaat ccagaaaaca taaactggca ggaataagtt 120
 cttrttaata ataacattaa tgtaaataga ctgaattgtc cattcgagat gtagagtggc 180
 tgaatgaata agaaaataat accaaatgat ctatt 215

<210> 17561
 <211> 99
 <212> DNA
 <213> Homo sapiens

<400> 17561
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 caagatagca cactgcata gaagcctggg tgacatagt 99

<210> 17562
 <211> 108
 <212> DNA
 <213> Homo sapiens

<400> 17562
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 cctcctgtgt agctgggact acaggcacat gccagccaca cccggcca 108

<210> 17563
 <211> 255

<212> DNA
<213> Homo sapiens

<400> 17563
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gcgacagttt gctcagaatg atgggtctcca gcttcatcca tgtccctgca aaggacatga 180
actcatcctt ttttatggct gcatagtatt ccatgggtga tatggataaa gctggaaaca 240
atcattctca gcaaa 255

<210> 17564
<211> 121
<212> DNA
<213> Homo sapiens

<400> 17564
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ccctgtaaat gcctaataccc aaacctgggc aacataggga gaccttgtct ctacaaaaaa 120
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<210> 17565
<211> 110
<212> DNA
<213> Homo sapiens

<400> 17565
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gttctctacc tcggatgtgc ttcttcagcc cacagaatcc tagtccgtgt 110

<210> 17566
<211> 67
<212> DNA
<213> Homo sapiens

<400> 17566
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<210> 17567
<211> 155
<212> DNA
<213> Homo sapiens

<400> 17567
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attcctccac ctgtttccta catatcactc cctgcttttc tacacagaaa cagtgtttgt 120
ttggttgttt ccatttkgcc ccctttccca sgct 155

<210> 17568
<211> 261
<212> DNA
<213> Homo sapiens

<400> 17568

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 acgtgcctst ngtcccagtk actcgggagg ctgaggcagg agaattctctt gcaccagga 180
 ggcggaggtt gcggtgagta gagatcatgc cactgtactc tagcctgggc aacagaatga 240
 gactccctct caaaaaaaaa a 261

<210> 17569
 <211> 148
 <212> DNA
 <213> Homo sapiens

<400> 17569
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 gaaagaacag aaggcccaag acgtggacca cttgatgtct tcctcctctt tttatggttc 120
 tgacatgaca gctcttcttg accacatt 148

<210> 17570
 <211> 108
 <212> DNA
 <213> Homo sapiens

<400> 17570
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 tatcgtcttt gaagatgaaa gtgaactatt tggatgaacct cccaactc 108

<210> 17571
 <211> 105
 <212> DNA
 <213> Homo sapiens

<400> 17571
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 cctagtaacc tccctccttc ccttgggcm gggcmggga ggccm 105

<210> 17572
 <211> 105
 <212> DNA
 <213> Homo sapiens

<400> 17572
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 cgggcttagt tcaaaaatgc tgccttttt tttttttttt ttttt 105

<210> 17573
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 <212> DNA
 <213> Homo sapiens

<400> 17573
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 aggctcaa atccgctggc ctcccagaca cctcctcctg ggaatccagg aggcacccca 180
 acttaacatg atcattgagg aaccctcgat gtcttctgac acccctct 228

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 <211> 220
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<400> 17574
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 gaggcaggag aatcacndga acccaggagg tggagggtgc agtgagccaa gattgcacca 180
 ctgcccctct caaaaaaata aaaaataaaa aaataaattc 220

<210> 17575
 <211> 248
 <212> DNA
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<400> 17575
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 atcgcgctac tgcactccag cctgggtgac agagcgagac tccgtctcta aaaaatttaa 180
 aaaatttaaa gtgccagagg tggttagaca cccccgtttt ccactcctgt cctctctgag 240
 gtcccccac 248

<210> 17576
 <211> 114
 <212> DNA
 <213> Homo sapiens

<400> 17576
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 tagtagaggc aggttttgcc atgttggcca ggctgggtctc gaactcctga ccac 114

<210> 17577
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 <212> DNA
 <213> Homo sapiens

<400> 17577
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 ggtttgctgc acagatcaat ccaacaccta ggtataagca cagcattcct tagctattct 180
 taatgctctc cctctctcca cccc 204

<210> 17578
 <211> 120
 <212> DNA
 <213> Homo sapiens

<400> 17578
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<210> 17579
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<212> DNA
 <213> Homo sapiens

<400> 17579
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 acaagggagg tggccgagag ggcctaagaa gtgacttgat ttttttattt ttattttattt 180
 gttttatttt ttgagatgga gtctctctct gtcgcccac 219

<210> 17580
 <211> 304
 <212> DNA
 <213> Homo sapiens

<400> 17580
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 tgtatgtttt ttaaataaagc tttttgtaag atgaaaataa tgcccttttg attatgcagt 180
 attttcttgt ttgcttagag acataaagaa catttaaaact gtcagttatt ataatgacaa 240
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 gact 304

<210> 17581
 <211> 187
 <212> DNA
 <213> Homo sapiens

<400> 17581
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 tcacagacat ctttaaaaaa gaagctaaga gggacttgga aatccgaaaa caagacacca 120
 agtcccccaag acccctgac caggagctca gcgacgagga cccctctggc cagctactga 180
 taccccc 187

<210> 17582
 <211> 171
 <212> DNA
 <213> Homo sapiens

<400> 17582
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 aatggttaaa attgtaaatc ttacatatat ttaccatag taaaaaatga attaggctgg 120
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<210> 17583
 <211> 133
 <212> DNA
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<400> 17583
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 tttgcagtat tct 133

<210> 17584

<211> 91
 <212> DNA
 <213> Homo sapiens

<400> 17584
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 aagcaagaga acaaaatgag aagagaccac g 91

<210> 17585
 <211> 255
 <212> DNA
 <213> Homo sapiens

<400> 17585
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 ctttttaaagg agtggtgtgc tgggtttttac actgttggtt gctgggacta gaactctgca 180
 aatcacattt ctctttgtc agctggctgg cctgtaggga ctactaaagg cagattgtag 240
 ggctagaaga gacat 255

<210> 17586
 <211> 170
 <212> DNA
 <213> Homo sapiens

<400> 17586
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 ttccctttcg ccgaaagacc gaggtttccc gggcgatgcc aatcagcccg gggtagtcg 120
 agtcctaart ctcatccgaa cggagcaggc gatggcagat gaggttaatt 170

<210> 17587
 <211> 163
 <212> DNA
 <213> Homo sapiens

<400> 17587
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 aaagtgtctg gattacaagc atgagctatg cacctggcct ttttaacttt ttgttaagga 120
 aattttaaag cactcaccga gagtbgagar aatagcacag grr 163

<210> 17588
 <211> 266
 <212> DNA
 <213> Homo sapiens

<400> 17588
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 tttgtgattk ataattaggc ctaccttcca ttttgagtta atgtttgtga aggatgtatt 180
 cttttcagtd tttattttag tttatgtgk gtttctcttc ttttcctcta atcacctggt 240
 ttatgaaaac tcgtgaaagt aggttg 266

<210> 17589
 <211> 128

004220" 666E560

<212> DNA
<213> Homo sapiens

<400> 17589
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gaagaggaag agaacctggg aaaggagag taccaagagt cactgaggtc tctggaggag 120
gagggcc 128

<210> 17590
<211> 101
<212> DNA
<213> Homo sapiens

<400> 17590
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actgtttatt ttgttagtt tttaattgaa gatggactgt c 101

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<211> 61
<212> DNA
<213> Homo sapiens

<400> 17591
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a 61

<210> 17592
<211> 67
<212> DNA
<213> Homo sapiens

<400> 17592
ctctacatga ctgcacagt cttttgcaca ttcatgtgtc tcttgacct ttttttttt 60
tttttt 67

<210> 17593
<211> 113
<212> DNA
<213> Homo sapiens

<400> 17593
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ccttttgggg ttacatggg actgttttct tttcttttt ttttttttt ttt 113

<210> 17594
<211> 98
<212> DNA
<213> Homo sapiens

<400> 17594
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ttctgagta gctgggatta caggcgcaca ccaccatt 98

<210> 17595

<211> 200
<212> DNA
<213> Homo sapiens

<400> 17595
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agtgtagtgg tgcaattatg gccactgca gctcaccctc ttgggctcaa gtgaccctcc 120
cgtcttggcc tctgagtag ttgggactac aggtgcacac caccatgcct gactaatttt 180
cttttctttt tttttttttt 200

<210> 17596
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<212> DNA
<213> Homo sapiens

<400> 17596
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tggtatttac aagataaaca aattgtgtta taaaacagtt ttggattcct cactggaatt 120
tttcttttct tt 132

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<211> 205
<212> DNA
<213> Homo sapiens

<400> 17597
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atgcatcatt atcacagaag aaattcgtgt ctatagcttt taaggacttg attacatcat 120
tttcaagcct gatagttttg gaatcaccat tagagcttaa gacacacctg ccttcatttc 180
aaccacctgt cttcataccc tgaca 205

<210> 17598
<211> 76
<212> DNA
<213> Homo sapiens

<400> 17598
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gtagagcacc gaagac 76

<210> 17599
<211> 261
<212> DNA
<213> Homo sapiens

<400> 17599
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acattagccg ggtatggtgg cgtgctgttg tratccagc tactcaggag gctgaggcaa 180
gagaattgct tgaaccagg aggtagaggt ttcagtggc caagattgcr ccattgcact 240
ccagcctggg caacaagagt r 261

<210> 17600
<211> 213

<212> DNA

<213> Homo sapiens

<400> 17600

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tagtagatat gtagtgacat cttattataa taatatatag ctttagttgt atattttgaa	120
ataaaaatta gttatttctg aattgaatgg acttttaaaa gattatactt gtgcccata	180
ttattttttg ctcctgtgct tttcctaggg gct	213

<210> 17601

<211> 50

<212> DNA

<213> Homo sapiens

<400> 17601

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<210> 17602

<211> 157

<212> DNA

<213> Homo sapiens

<400> 17602

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ttcattcatt tcatcttcca ttgctgatac cttttcttcc agttgattgc atcggtcct	120
gaggcttctg cattcttcac gtagttctcg agccttg	157

<210> 17603

<211> 124

<212> DNA

<213> Homo sapiens

<400> 17603

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ttgagatgaa ggatagtgtg ataaaagaga gacctttgtg atagctaagg tgaactaagg	120
agga	124

<210> 17604

<211> 146

<212> DNA

<213> Homo sapiens

<400> 17604

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tgagactgaa agataatagg gattgcttga tggcattgtt gatggggctg tgggtgagaa	120
cagtgtctca gggaaaagag gccagc	146

<210> 17605

<211> 87

<212> DNA

<213> Homo sapiens

<400> 17605

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aaatccctcc tccttgctct acgactt

87

<210> 17606

<211> 189

<212> DNA

<213> Homo sapiens

<400> 17606

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tctggccccct ctctgtaga tatgaaggtc taccgatgat ggggaagcaa cttgaagaga	120
ataacacttt cacatcatct ttgacttca ctatggaaag gagcaggaat aggagaaaag	180
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<210> 17607

<211> 162

<212> DNA

<213> Homo sapiens

<400> 17607

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aatcgactca tttttttttt aattyytttt gagattgagt attgctcttg ttgcccaggc	120
tggactgcaa tggcatgata ttgggtcact gcaacctccg cc	162

<210> 17608

<211> 139

<212> DNA

<213> Homo sapiens

<400> 17608

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actcctaacc tcaggatgat cgcccacctc ggcctccaa agtgtgggat tacaggcgtg	120
acnaccatgc ccggccgac	139

<210> 17609

<211> 136

<212> DNA

<213> Homo sapiens

<400> 17609

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tgctgggtgcg ctgcacccac taatgtgtca tctagcatta ggtatatctc ccaatgctat	120
ccctcccccc cccgr	136

<210> 17610

<211> 105

<212> DNA

<213> Homo sapiens

<400> 17610

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acctggtcaa tttttcgtaa ctgcaaatat cctattcctc agccg	105

<210> 17611

<211> 215

<212> DNA

<213> Homo sapiens

<400> 17611

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cccagcagca	agaaacacag	aggtttgggt	gtcagcatcg	gaggaatgtc	tcacgtctgc	120
cttgtcccc	agaccccgtc	cctgtgtctg	ggcaaaggca	cgccccgctc	caggtcggcc	180
ccatttcaga	gcagtggccc	tcataggctt	tgtgc			215

<210> 17612

<211> 98

<212> DNA

<213> Homo sapiens

<400> 17612

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<210> 17613

<211> 255

<212> DNA

<213> Homo sapiens

<400> 17613

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attgtttotca	tacttcagat	tttctttttt	ttaaatttta	ttttgttatt	attatacttt	120
aagttttagg	gtacatgtgc	acaatgtgca	ggtttggtac	atatgtatac	atgtgccatg	180
ttggtgtact	gcacccatta	actcgtcatt	tagcgttagg	tatatctcct	aatgttatcc	240
ctccccctc	ccctt					255

<210> 17614

<211> 170

<212> DNA

<213> Homo sapiens

<400> 17614

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ttttgtttcc	ttccagtgtg	ccagcactaa	ttagtcaata	atccgtcctg		170

<210> 17615

<211> 77

<212> DNA

<213> Homo sapiens

<400> 17615

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gctaatttct	ttctctt					77

<210> 17616

<211> 237

<212> DNA

<213> Homo sapiens

<400> 17616
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 tagccgggat tacaggcacc cactaccacg cctagctaatt tttttgtagt tttagtagaa 120
 cgggtgtkct atcatgttag ccaggatggt ctccatctct tgacctcgtg atccaccac 180
 ctggcctcc caaagagttg ggattatagg catgagccac cgmgccacg cctcct 237

<210> 17617
 <211> 125
 <212> DNA
 <213> Homo sapiens

<400> 17617
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 atcatgggac ttttcacctt gtgatcatgt gagccaattc tccctaataa actcctcccc 120
 cacga 125

<210> 17618
 <211> 269
 <212> DNA
 <213> Homo sapiens

<400> 17618
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 gttcttgcca tcacggattc ctttttctg aacataatga gttctagata ctccgtagtg 120
 aagccaagtt tctwttgatt tttagaaatg ccaattcctt ctttgacttc gttttgttat 180
 agatatcata gacaattaac atccttggag tctgtagtct ttgaatgcag aagggaaaat 240
 cttatctagt agatacttgt taatgcaa 269

<210> 17619
 <211> 136
 <212> DNA
 <213> Homo sapiens

<400> 17619
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 cctcccccc cccga 136

<210> 17620
 <211> 104
 <212> DNA
 <213> Homo sapiens

<400> 17620
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 tctttgggca ttttgggtgg attatggtgc cattcactgc ccac 104

<210> 17621
 <211> 208
 <212> DNA
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<400> 17621
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gccatgctgg tgtgctgcac ccactaactc gtcacttagc attaggtata actcccgatg 180
ctatccctcc cccctcccc caccacca 208

<210> 17622
<211> 174
<212> DNA
<213> Homo sapiens

<400> 17622
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aattagctac ccaatcagtg aaatactttg tagccaataa aagtggtaag ttatgggtac 120
aaccacaatg gaaacggctg atagtttctt ttttttcttc tttttttttt tttt 174

<210> 17623
<211> 186
<212> DNA
<213> Homo sapiens

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<211> 139
<212> DNA
<213> Homo sapiens

<400> 17624
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tgtaacaatg gcgaccac 139

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<211> 89
<212> DNA
<213> Homo sapiens

<400> 17625
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tcaggagttc ccattcggtt agtactttt 89

<210> 17626
<211> 89
<212> DNA
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<400> 17626
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agtagctggg attacaggtg cccgctaca 89

<210> 17627

<211> 333
 <212> DNA
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<400> 17627
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 agaaagactg agcacagttg catatgggag tggagctcct tgtgatgttt tagtgattaa 180
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<210> 17628
 <211> 364
 <212> DNA
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<400> 17628
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 gcgtgatgga aaatattgag caaataattc aggtggtgtg agagctaaca aaaattgtaa 180
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 tcctcagtct ctnmtgtaaa ttttttctg gaggacacag ctccgctgtc taccgcatat 300
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 <212> DNA
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<210> 17630
 <211> 234
 <212> DNA
 <213> Homo sapiens

<400> 17630
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 actaaaagaa tgtattccaa aaggaacctat gagtaatcct gactacagaa tctaattgcgt 180
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<210> 17631
 <211> 146
 <212> DNA
 <213> Homo sapiens

<400> 17631

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 aagtctggct ctgggtttgt ttttgt 146

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 <211> 180
 <212> DNA
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<400> 17632
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 cgagattgtg ccattgcact ccagcctggg caacaagtgc aaaactccat caaatagtaa 180

<210> 17633
 <211> 177
 <212> DNA
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<210> 17634
 <211> 163
 <212> DNA
 <213> Homo sapiens

<400> 17634
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<210> 17635
 <211> 205
 <212> DNA
 <213> Homo sapiens

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 atctcagctc actacaacct ccatctcccg gattgaagca attctcctgc ctcagtctcc 180
 caagtagctg ggattacagg ccccc 205

<210> 17636
 <211> 159
 <212> DNA
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<400> 17636
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 ctgggattac aggcgtgasc accgcgccg gccccatca 159

<210> 17637
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 <212> DNA
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<400> 17637
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 aactgctcct gat 133

<210> 17638
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 17638
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<210> 17639
 <211> 240
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 cacaacgtgc aggtttgtta catatgtata catgtgccat gttggtgtgc tgcacccatt 180
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<210> 17640
 <211> 51
 <212> DNA
 <213> Homo sapiens

<400> 17640
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<210> 17641
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 <212> DNA
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<400> 17641
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 <212> DNA
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<400> 17642
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 aagaactatg gttatcgtgt attttagaag ctaagtgcta aagatccttag atgactggca 180
 gtctaatacag agtctgtctc ccttgccctg ccacta 216

<210> 17643
 <211> 81
 <212> DNA
 <213> Homo sapiens

<400> 17643
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 ctgcacatgt acccccagagc c 81

<210> 17644
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 <212> DNA
 <213> Homo sapiens

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<210> 17645
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 <212> DNA
 <213> Homo sapiens

<400> 17645
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 ttacagggtg gagccaccgg cccc 144

<210> 17646
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<400> 17646
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 ccccaagacc ccaggagcc 139

<210> 17647
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 <212> DNA
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189

<210> 17648

<211> 174

<212> DNA

<213> Homo sapiens

<400> 17648

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caatatatgt gagaattata tctcacttaa ggtgccggga actctttttc tttt	174

<210> 17649

<211> 122

<212> DNA

<213> Homo sapiens

<400> 17649

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atgtttctgt atgatgttta aaagcaactt cttatttgct ttccacacat tgattttgcc	120
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<210> 17650

<211> 121

<212> DNA

<213> Homo sapiens

<400> 17650

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<210> 17651

<211> 59

<212> DNA

<213> Homo sapiens

<400> 17651

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<210> 17652

<211> 54

<212> DNA

<213> Homo sapiens

<400> 17652

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<210> 17653

<211> 374

<212> DNA

<213> Homo sapiens

<400> 17653

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cctgctcata	gataaagca	tgagagtgtt	gtagcaata	cgtctgaatg	tccagtttac	180
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tccaaatctc	tagtctttca	aattgttcag	aatctctgca	aaagtttcta	actaatctta	300
ctaattcctcc	aataattaaa	tcgttttttc	ahmtttgtct	aaatgcacac	acataccgca	360
atccacacac	cacg					374

<210> 17654
 <211> 84
 <212> DNA
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<210> 17655
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 <212> DNA
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cgggtgtttc	atcatgttag	ccaggatggt
ctcggcctcc	caaagagttag	ggattatagg
	catgagccac	cgcgcccagc
		ccctcct
		237

<210> 17656
 <211> 224
 <212> DNA
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<400> 17656		60
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taaggaatat	agtagattta	attacataaa
ataactat	acgttccatg	aaattgttag
	tatacacaca	cacc
		224

<210> 17657
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 <212> DNA
 <213> Homo sapiens

<400> 17657		60
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gatgggattt	caccgtgttg	gccagcgtgg
tacctcgcc	tama	
		134

<210> 17658
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 17658
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ggtctcccaa agtcctggga ttacaggcat gagccaccgc gc 162

<210> 17659
<211> 175
<212> DNA
<213> Homo sapiens

<400> 17659
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cattgaggtg ctttttagca agtctctgct tctggcgaa tggtagcgag caagttaaaa 120
aagcctgggt cttgtggcag atgacgaaca agtcattcta cagaaggcgg cctta 175

<210> 17660
<211> 225
<212> DNA
<213> Homo sapiens

<400> 17660
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gcagagtatg attgtactgg tagttttttac tggtagttta tagttgtgcc tgtattctta 120
ggtacttgcg tdgtactgaa tttgggtttc aaatattagt acaatccagc tatctgaaga 180
gattacatgg ggtaaatccta caataattct gcaaaaacat ttcatt 225

<210> 17661
<211> 86
<212> DNA
<213> Homo sapiens

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gccaaaccaag caccggtccc tgcctt 86

<210> 17662
<211> 161
<212> DNA
<213> Homo sapiens

<400> 17662
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gatcgacca ctgcactcca actccagcct gggtagcaga gtgagastct tgtctcaaaa 120
aacaaaaaca aacaaacaaa cagaaaaagt aaccctggca a 161

<210> 17663
<211> 95
<212> DNA
<213> Homo sapiens

<400> 17663
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ttgcagtbca gaaatattaa agtgcctcaag gcctc 95

<210> 17664
 <211> 249
 <212> DNA
 <213> Homo sapiens

<400> 17664
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 gattctcttg ccttagtctc ctgagtagct gggattacag gcacacacca tgcctgggtt 120
 waatttttgt attttagtag agatggcgtt ttgccatatt ggctaggctg gtctcaaact 180
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 ccaccaccg 249

<210> 17665
 <211> 68
 <212> DNA
 <213> Homo sapiens

<400> 17665
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 cccgcac 68

<210> 17666
 <211> 167
 <212> DNA
 <213> Homo sapiens

<400> 17666
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 attagagaaa aattcatagt atttcaatac tttgaatgaa caatttgaaa atgaaattaa 120
 aggccagcca cagtggcctg tgcctgcaat cctagcactt tgagagg 167

<210> 17667
 <211> 233
 <212> DNA
 <213> Homo sapiens

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 aagcagactt tctggcagta ccttgcccta tggcttagga taaagaacaa agaaaccagt 180
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<210> 17668
 <211> 206
 <212> DNA
 <213> Homo sapiens

<400> 17668
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 ttgcttatga agtttagttt ggctggccat aaaattctgg gttgaaaatt attttcttaa 180
 aaatgttgaa tattggcccc cccgac 206

<210> 17669

<211> 249
 <212> DNA
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<400> 17669
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 ctgtaatccc agcacttagg caggcggatc accaggttag tagtttgaga ccagcctgac 180
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 ccactgtag 249

<210> 17670
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 17670
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 atggacactt gattgtattc attttttggg tattataaat aatgccgctg tgaacattca 120
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 aattgtaggt tatatggtcg gtctatatta aaaccagaca tccacacaaa atcctgtgca 240
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<210> 17671
 <211> 126
 <212> DNA
 <213> Homo sapiens

<400> 17671
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<210> 17672
 <211> 122
 <212> DNA
 <213> Homo sapiens

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 ac 122

<210> 17673
 <211> 110
 <212> DNA
 <213> Homo sapiens

<400> 17673
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<210> 17674
 <211> 90

<212> DNA
<213> Homo sapiens

<400> 17674
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ctttttcttt tctttttctt tttttttttt 90

<210> 17675
<211> 290
<212> DNA
<213> Homo sapiens

<400> 17675
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ctatggaaac aaagatgaaa ttactcaaac ctatactatt ttgatgagtc gctcatttca 180
aggtattaat aagtaagtat tcctgttttt ggaatgcata aattgtgaag agaaaagaat 240
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<210> 17676
<211> 92
<212> DNA
<213> Homo sapiens

<400> 17676
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ttttttcttt ttctttttcc tttttttttt tt 92

<210> 17677
<211> 120
<212> DNA
<213> Homo sapiens

<400> 17677
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ctctgaaagc tcttaagaca gtgctttgct tgctgattag caaacatttt tgctggagcc 120

<210> 17678
<211> 138
<212> DNA
<213> Homo sapiens

<400> 17678
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aaagcctatt catgaacatt taatagcaag ctgctatgga aacttctgaa aatttttttg 120
ttggttttaa taaattat 138

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<211> 307
<212> DNA
<213> Homo sapiens

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taaaaattct	agaagaagg	ctaggaaaat	ctcttttgga	ctttggttca	ggcaaataat	180
ttatgactaa	aacctcaaaa	gcaaatacag	caaaaacaag	aaaagacaaa	tgagattttt	240
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<210> 17680
 <211> 141
 <212> DNA
 <213> Homo sapiens

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taagcataat	atgagtaata	agagtaatga
atgttcacat	ttccacaggc	a
		120
		141

<210> 17681
 <211> 339
 <212> DNA
 <213> Homo sapiens

<400> 17681		60
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cccccttttt	ggtcaaaatt	gtagtaactg
cagataaagt	ctaagaaatt	ccctattaat
taatagaatt	ttattcatac	ttactcataa
tttgaaactg	ctggttggtg	aatatttttc
accagcttaa	cagccttttt	ttttkgakgc
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		339

<210> 17682
 <211> 110
 <212> DNA
 <213> Homo sapiens

<400> 17682		60
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caccactgtc	taattctttt	tttttttttt
		110

<210> 17683
 <211> 149
 <212> DNA
 <213> Homo sapiens

<400> 17683		60
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		149

<210> 17684
 <211> 166
 <212> DNA
 <213> Homo sapiens

<400> 17684

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<210> 17685
 <211> 362
 <212> DNA
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 ctagtttctt aatatttcga tttaggttgt tgattcggga cattaccttc tttttttttc 180
 ttcttttttt attttttatt atacttttaa gttctgggat acatgtgcag aagtgcaggt 240
 ttgttacata ggtagacttg tgccatggtg gtttgcgtgc cccatcaacc cgtcatctat 300
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 <212> DNA
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<400> 17686
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 aaagtagagg ggccaaactt tgaggaggag gctttggagt ctggaagtga ggaaagagtg 180
 ggaagggcat tttatgctct gacagctaca agagcagagt cagagatatt tgtaactccc 240
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 <211> 386
 <212> DNA
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<400> 17687
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<210> 17688
 <211> 154
 <212> DNA
 <213> Homo sapiens

<400> 17688
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 aatggtacgg aaaagaatgg aaaggaatca acccgagtgg aatggcatgc aatggaatgg 120
 aatggaatgg aatggaacag aatggtacgg aaaa 154

<210> 17689
 <211> 237
 <212> DNA
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<400> 17689
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 cgggtgtttc atcatgttag ccaggatggt ctccatctct tgacctcgtg atccaccac 180
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<210> 17690
 <211> 78
 <212> DNA
 <213> Homo sapiens

<400> 17690
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 actgcaggtc cacctccc 78

<210> 17691
 <211> 375
 <212> DNA
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 gtggctcggc ttcattccca ctgccctgcg acttggcagg cccatttagc ctgttggtat 240
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<210> 17692
 <211> 86
 <212> DNA
 <213> Homo sapiens

<400> 17692
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 tgtgtgntg agtctgtggt gtagcg 86

<210> 17693
 <211> 89
 <212> DNA
 <213> Homo sapiens

<400> 17693
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 cccgagtgc atggaatgga gtggacacg 89

<210> 17694

<211> 66
 <212> DNA
 <213> Homo sapiens

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<210> 17695
 <211> 60
 <212> DNA
 <213> Homo sapiens

<400> 17695
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<210> 17696
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 <212> DNA
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<400> 17696
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 <212> DNA
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 ggagaaggct ccgcgaagga tcgcaaccg agccaggggt tgcggacgag gatcagacgg 180
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<210> 17698
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 17698
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 agcttgggtg acagagactc catctcaaaa aaaagtcttc actttctctg tgtgtbttac 180
 aatctaagaa aggcactact tttggagaat ggggtgcagag gacactcca cgaagcttgg 240
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<210> 17699
 <211> 205
 <212> DNA
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<400> 17699
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 ttttttgat ttttagttga gacgggggtt caccttggtta gccaggatgg tctcgatctc 180
 ctgacctcat gatccaccgc cctcg 205

<210> 17700
 <211> 335
 <212> DNA
 <213> Homo sapiens

<400> 17700
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 ctgtgacatt ggtctagaca aggcttaaac cttgaaagca cagagaacaa aagcaactat 180
 agacacatgg cattaaatta aactaaaaag cttctgcaya gcaaaggaaa caatcaagag 240
 agcacaacaa cctacagaat gggagaatat atttgcaacc tatacatctg ataaggggtt 300
 aatatataaa gaactcaaac aactcagcag cttaa 335

<210> 17701
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 17701
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 atgataattg ggatactctc tcacctaata tatctattac ccagatcatg gtaaatttgg 180
 ggattaagga ggcccccttt tcatgggtgcc cctcccacag aatcattgt 229

<210> 17702
 <211> 341
 <212> DNA
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<400> 17702
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 gactaggtag ctgagctgtg cctttttact caggcatatc ttcttggtga atagctatag 180
 tgcaatgcaa agatgcttca ctggagtccc atcccttcag cctctcagct gctgcttcca 240
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 ctgttctttc ccaaaccctg gcctggtaat tcttcactac c 341

<210> 17703
 <211> 153
 <212> DNA
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<400> 17703
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 ctaaaaatac aaaaattagc caggcacacc tgtagtccca actactcagg tgtgcctggc 120
 taattttttg tatttttagt agagataggg tct 153

<210> 17704
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 17704
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 ttgtggtgag cagagatcat gccgttgccg tctagcctgg gtgataagag cgaaacct 178

<210> 17705
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 17705
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 aagtgcctgag attacaagaa tgagccaccg cgctcggcct acgatacgat attattaact 120
 atagtcctca tgaagcatat tagagctcta gacttagtac ataactgcaa gttcatacca 180
 t 181

<210> 17706
 <211> 132
 <212> DNA
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<400> 17706
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<210> 17707
 <211> 141
 <212> DNA
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<400> 17707
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 acctcatgat ccaccgccc t 141

<210> 17708
 <211> 225
 <212> DNA
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<400> 17708
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 tcgcatatcc cagaagaaag aggtacttga agagtttgca agagatatta gtagtaccg 180
 tggcggcctg aatgtggctg ttttttcctc tctgtkacca cccct 225

<210> 17709
 <211> 397

<212> DNA
<213> Homo sapiens

<400> 17709
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ttgtctcaac atttttttct caagtgatcc acctgccttg gactcccaaa gtgctgagat 180
gagagggtgtg agacaccctg cccagccttc attccctttt agaattgcgt aacactctac 240
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caatttaaaa aagttaattt aacttaaaag taaacattga aaataactgt gggtagatcc 360
acaatgtaga gtgtwacga attytaaag ggaatwa 397

<210> 17710
<211> 218
<212> DNA
<213> Homo sapiens

<400> 17710
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gcaggagtga gccaccgcgc ccggcttata cgactttgaa gcaacaagt bagtctatca 180
tagtctatca tattctcaag gatcatggca gaaggcac 218

<210> 17711
<211> 192
<212> DNA
<213> Homo sapiens

<400> 17711
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tggaataatg aaattaaaac aagacttcct tttctttttt cttttctttc tttctttctt 180
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<210> 17712
<211> 79
<212> DNA
<213> Homo sapiens

<400> 17712
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ccgtaattta ctttttttt 79

<210> 17713
<211> 93
<212> DNA
<213> Homo sapiens

<400> 17713
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tggcctcgtc cctggtctta gttccaccgg aca 93

<210> 17714
<211> 367

<212> DNA
<213> Homo sapiens

<400> 17714
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ctgaatc 367

<210> 17715
<211> 322
<212> DNA
<213> Homo sapiens

<400> 17715
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ttgagacaga gtcttgctct gttgcacagg ctggagtgc gtggtgcat ctgggtcaa 240
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attacaggtg ccgcmacct ga 322

<210> 17716
<211> 124
<212> DNA
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<400> 17716
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gcac 124

<210> 17717
<211> 74
<212> DNA
<213> Homo sapiens

<400> 17717
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<210> 17718
<211> 234
<212> DNA
<213> Homo sapiens

<400> 17718
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aatccgaatg taatggaatg gaatggaatg gaatggaatg gaatggaatg gaatggaatg 180
gaatggaatg gaatgcaatg gaatggaatc aaccgagtg caatcaaag gaag 234

<210> 17719
<211> 136
<212> DNA
<213> Homo sapiens

<400> 17719
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ccccctcccc ccacgc 136

<210> 17720
<211> 251
<212> DNA
<213> Homo sapiens

<400> 17720
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ttccttttca tatttagtgc ttcttccagg aactcttgta aggctgggct ggtgggtgaca 120
aaaaatctct cagcatttgc ttgtctgtaa aggattttat atctccttca cttatgaagc 180
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<210> 17721
<211> 116
<212> DNA
<213> Homo sapiens

<400> 17721
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<210> 17722
<211> 103
<212> DNA
<213> Homo sapiens

<400> 17722
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gcagtgagcc gagatcacac tgctgtgctc cagcctcccg agc 103

<210> 17723
<211> 141
<212> DNA
<213> Homo sapiens

<400> 17723
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ctgggtgtgct gaaccatta actcgtcatt tagcattagg tatactcct aatgctatcc 120
ctccccactc cccccaccac t 141

<210> 17724
<211> 117
<212> DNA

<213> Homo sapiens

<400> 17724
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<210> 17725

<211> 122

<212> DNA

<213> Homo sapiens

<400> 17725
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 ga 122

<210> 17726

<211> 132

<212> DNA

<213> Homo sapiens

<400> 17726
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<210> 17727

<211> 168

<212> DNA

<213> Homo sapiens

<400> 17727
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<210> 17728

<211> 428

<212> DNA

<213> Homo sapiens

<400> 17728
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<210> 17729

<211> 209

<212> DNA

<213> Homo sapiens

<400> 17729
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 taactcaagg accagttgaa agactggagg accctocact gctgactgtg ggatcagatc 180
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<210> 17730

<211> 160

<212> DNA

<213> Homo sapiens

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<210> 17731

<211> 161

<212> DNA

<213> Homo sapiens

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<210> 17732

<211> 66

<212> DNA

<213> Homo sapiens

<400> 17732
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<210> 17733

<211> 204

<212> DNA

<213> Homo sapiens

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 agaggttgca gtgagccggg attgcaccaa tgcactccag cctgggtaac agagcgagac 180
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<211> 157

<212> DNA

<213> Homo sapiens

<400> 17734

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 ttgccccata tgaataacca gttgactaag cctacct 157

<210> 17735
 <211> 148
 <212> DNA
 <213> Homo sapiens

<400> 17735
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 tgtttcccks cctcagccc cttgcca 148

<210> 17736
 <211> 158
 <212> DNA
 <213> Homo sapiens

<400> 17736
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 acaattgaga attaggatag ttccatcacc tccccaaa 158

<210> 17737
 <211> 104
 <212> DNA
 <213> Homo sapiens

<400> 17737
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 cctgggattg cctgcccagg actgtaatca cattgatgtc ccaa 104

<210> 17738
 <211> 87
 <212> DNA
 <213> Homo sapiens

<400> 17738
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 gagaatcgct tgaaccacagg aggcggg 87

<210> 17739
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 <213> Homo sapiens

<400> 17739
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 tttagaccac ataatcttcc ggtcttagca tttagcctct tgattcagac tctaagtact 120
 aaattcatct ggaagcccct ga 142

<210> 17740
 <211> 83

<212> DNA

<213> Homo sapiens

<400> 17740
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ttttatccct tatctccctc gaa 83

<210> 17741

<211> 185

<212> DNA

<213> Homo sapiens

<400> 17741
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ttttagggta catgtgcaca ttgtgcaggt tagttacata tgtatacatg tgccatgctg 120
gtgcgctgca cccactaacg tgatcatctag cattaggtat atctcccaat gctatccctc 180
cccca 185

<210> 17742

<211> 132

<212> DNA

<213> Homo sapiens

<400> 17742
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tgaggattaca ggcttgagcc accatgcctg gcccttttaa caataagtaa tgtggccagg 120
natggtggct ca 132

<210> 17743

<211> 139

<212> DNA

<213> Homo sapiens

<400> 17743
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actactatga acaactatat gctaacaaac tgaaaaatct aatggaaatg gataaattcc 120
tggacatata ccaccaacc 139

<210> 17744

<211> 226

<212> DNA

<213> Homo sapiens

<400> 17744
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gccaggatg gtggcacaca cttgtaatgc cagctacttg aatggctgag acaggaaaat 120
cgcttgagcc tgggagacag aggttgacaga gagctgagag cacaccammg tactccagcc 180
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<211> 229

<212> DNA

<213> Homo sapiens

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<212> DNA
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<211> 199
<212> DNA
<213> Homo sapiens
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<210> 17751
 <211> 153
 <212> DNA
 <213> Homo sapiens

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 ccagagtgcct gggattacag gcgtgagcna cca 153

<210> 17752
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 <212> DNA
 <213> Homo sapiens

<400> 17752
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 tgaagaacaa acctgggtgg tttttttctt tttttttttt tt 102

<210> 17753
 <211> 127
 <212> DNA
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<400> 17753
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 cccgccc 127

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 <211> 68
 <212> DNA
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<400> 17754
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 tttttttt 68

<210> 17755
 <211> 151
 <212> DNA
 <213> Homo sapiens

<400> 17755
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 ggcaccacra tttcgatctt kttttttttt t 151

<210> 17756
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 17756
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 cttctagtac tgagcacagt gtttgacatg aagtcctgtt cttttgttcc cctttgacta 120
 atctttggct tatactatgc agcatttttt cattgatatt ttctttccac aaatatattg 180
 atgectgagt gccaggcacc agacctgggg 210

<210> 17757
 <211> 180
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<400> 17757
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 tcgtttcggt cctaagttct ggggtatatg tgcaggatgt gcagatttgt tactaaggta 120
 aacgtgtgcc atggtggttt gctgcacctg tcaacccatc acctaggat taggccagc 180

<210> 17758
 <211> 205
 <212> DNA
 <213> Homo sapiens

<400> 17758
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 gccaggagtt ggataccagc ctggccaaca tgacgaaacc cagtctctac taaaaatata 180
 aaaattagcc ggggtgtggtg gcacc 205

<210> 17759
 <211> 173
 <212> DNA
 <213> Homo sapiens

<400> 17759
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 catccatggt cactcatgtc tttttttagt gactaktaag acgttgtggg cagatgggaw 120
 aattaaastt atgtctgtga tcaagataga attatcaaca ctcctgagta tga 173

<210> 17760
 <211> 227
 <212> DNA
 <213> Homo sapiens

<400> 17760
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 tgtgaattgt gctgtagtga acatacacat gcattgtgtt ttacaatagg acaatttata 120
 ctcttggggg atattcccag taatgggatt actgggttga atagtgtagc aattcttcaa 180
 agacttaaag aaagacatac tattcaaccc agtaatcca ttactgg 227

<210> 17761
 <211> 138
 <212> DNA
 <213> Homo sapiens

<400> 17761

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 cccctccac caccacac 138

<210> 17762
 <211> 227
 <212> DNA
 <213> Homo sapiens

<400> 17762
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 agtgaaggat tttatttctc cttcacttat gaagcttaat ttggctggat atgaaattct 180
 ggattgaaaa ttcttttctt taagaatggt gaattattggc ccccatc 227

<210> 17763
 <211> 233
 <212> DNA
 <213> Homo sapiens

<400> 17763
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 tgaatggaat cgtcatcgaa tgaattgaat gcaatcatcg aatggtctcg aatggaatca 180
 tcttcaaagc gaatggaatg taatcatcgc atagaatcga atggaattat cat 233

<210> 17764
 <211> 76
 <212> DNA
 <213> Homo sapiens

<400> 17764
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 accatcctgg ctaaca 76

<210> 17765
 <211> 145
 <212> DNA
 <213> Homo sapiens

<400> 17765
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 attaccaagt aaaattttcc tctaactcaa tgactaatc cgcttctcga ccacagaaaa 120
 aggttgaata tgctattgtg tgcaa 145

<210> 17766
 <211> 189
 <212> DNA
 <213> Homo sapiens

<400> 17766
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 gagtgtataa ggctagggtac taagggtggt aactgaggga tctggagcta gaagtagtga 120
 aggatggggg ttaggtcccc gccaggccag ggaaatgctg gatttggagg aatcagatac 180

atgcaggtc

189

<210> 17767

<211> 165

<212> DNA

<213> Homo sapiens

<400> 17767

acgccattct aactgcctgt gactcatttt cacttacagt gtttattgta acgccaacc	60
aacaaatcac aggtgcttgc ttctctccat aaatctcccc agtctaactt tttgtcattc	120
aacatgactc gtttatccaa cctgaaatcg catatagccc catcc	165

<210> 17768

<211> 250

<212> DNA

<213> Homo sapiens

<400> 17768

accatgctgt tttggctagt atagctctgt agtataatth gaagtcaggt tatttgattc	60
ttctaatttt ctcccttttgc tttggattgc tttggctatt caggctcttt ttttggttcc	120
atatgaacgt tagaatacgg ttttctaatt ctgtgaaaaa tgatgtwggg agtttgatag	180
gaatagtgtt gaatctataa attgctttgg gcagtatgac cattttaatg atcttgattc	240
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<210> 17769

<211> 104

<212> DNA

<213> Homo sapiens

<400> 17769

aggggccatg gwtttaagtg tggmataaaa tgggaaatct ttggaagttt ggcttttttc	60
ccactctgat ttatttatta atttagtcgc agcacgggccc ggar	104

<210> 17770

<211> 117

<212> DNA

<213> Homo sapiens

<400> 17770

cctgtaatcc gagctatcca ggagactgag acaggagaat cgcttgaacc tggaggcagt	60
vagccaagat cgcaccattg cattccagcc taggcgacag agcaagactc tgtctca	117

<210> 17771

<211> 121

<212> DNA

<213> Homo sapiens

<400> 17771

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gctgtaactc ttagcctgaa gttttcatat attaggacaa ttaaagtca tgtcaccac	120
c	121

<210> 17772

<211> 138

<212> DNA

<213> Homo sapiens

<400> 17772

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gccatgttgg ttgctgcac catcaactca tcatttgcac taggtatttc tcgtaatgct	120
atccctctgc cagcccct	138

<210> 17773

<211> 140

<212> DNA

<213> Homo sapiens

<400> 17773

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tgtgccatgt tgggtgtgctg caccatttaa ctgctcatth aacattaggt atatctccta	120
atgctatccc tccccctct	140

<210> 17774

<211> 169

<212> DNA

<213> Homo sapiens

<400> 17774

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cmacttttta aatgactcct atagcttgaa gaaagagcag aacttttcta ggtgtttatt	120
cactgatacc tggaagtagt cgcttactca tttctctttt ttttttttt	169

<210> 17775

<211> 131

<212> DNA

<213> Homo sapiens

<400> 17775

agacaccagt tgtwtttttt ttcttttttt ctattttttt gttttttatt ttgagacacc	60
atttaraaaa tgcttttaac acactttgtt ttcaaatttt ttgagacac attcttgctg	120
tgtcaccctt a	131

<210> 17776

<211> 93

<212> DNA

<213> Homo sapiens

<400> 17776

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ttagagtact tcacctcccc tgcaagatcc ttt	93

<210> 17777

<211> 61

<212> DNA

<213> Homo sapiens

<400> 17777

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004220"666T560

t

61

<210> 17778
<211> 124
<212> DNA
<213> Homo sapiens

<400> 17778
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cctt 124

<210> 17779
<211> 58
<212> DNA
<213> Homo sapiens

<400> 17779
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<210> 17780
<211> 56
<212> DNA
<213> Homo sapiens

<400> 17780
agatttgggg agactatcca tgaacatcag atgcctttct gtttatttag gtcttt 56

<210> 17781
<211> 111
<212> DNA
<213> Homo sapiens

<400> 17781
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tggtgcttct caatatatta aaaataaatc ctgttttcca ctccccact t 111

<210> 17782
<211> 107
<212> DNA
<213> Homo sapiens

<400> 17782
aacatgtgcc atggtagttt gctgcatcca tcaacccatc atctaggttt taagccccac 60
atgcattagg tatttgctct aatgctatcc ctccccttgc ccccat 107

<210> 17783
<211> 190
<212> DNA
<213> Homo sapiens

<400> 17783
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aaatctcttt gtacctgcag gccgcattga caggaagatt gaggwcccc tgcctgatga 120

004220" 656E F560

aaagacgaag aagcgcatct ttcagattca cacaagcagg atgacgctgg ctgatgatgt 180
rrccctggac 190

<210> 17784
<211> 134
<212> DNA
<213> Homo sapiens

<400> 17784
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ttttcctctc cgcttctgtg ggcgtactcc cttaagacac tcagcactta gctcctccaa 120
cccacacccc aaat 134

<210> 17785
<211> 100
<212> DNA
<213> Homo sapiens

<400> 17785
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ggcgtgacha ccgcgccag cctttttttt tttttttttt 100

<210> 17786
<211> 75
<212> DNA
<213> Homo sapiens

<400> 17786
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ttctgtgcct ggctc 75

<210> 17787
<211> 90
<212> DNA
<213> Homo sapiens

<400> 17787
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tgctgctgct ggacgtcccc acggcggacg 90

<210> 17788
<211> 118
<212> DNA
<213> Homo sapiens

<400> 17788
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gaaaggctcc aagatgattw aagamgtgca gcagtgattw tttatttatt ttttttat 118

<210> 17789
<211> 113
<212> DNA
<213> Homo sapiens

004220"0665F560

<400> 17789
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 agaaaaaaag agataagacc caaataaata aaatcagaaa tgagaaagga aca 113

<210> 17790
 <211> 95
 <212> DNA
 <213> Homo sapiens

<400> 17790
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 gaacaactcc agtatgagaa gtctctctcc cctga 95

<210> 17791
 <211> 206
 <212> DNA
 <213> Homo sapiens

<400> 17791
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 acgatggctc atgcctgtaa tcctagcact ttgggaggcc gaggctgggt gatcacttga 120
 ggccaggagt tggataccag cctggccaac atgacgaaac ccagtctcta ctaaaaatac 180
 aaaaattagc cgggtgtggt ggcacc 206

<210> 17792
 <211> 111
 <212> DNA
 <213> Homo sapiens

<400> 17792
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 ctattgaagg cctgttttgg ctaatctgtg caaactctga tgatacctar m 111

<210> 17793
 <211> 78
 <212> DNA
 <213> Homo sapiens

<400> 17793
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 aagactttta gcggtgta 78

<210> 17794
 <211> 92
 <212> DNA
 <213> Homo sapiens

<400> 17794
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 aaagcaagag aacaaaatga gaagagacca cg 92

<210> 17795
 <211> 145
 <212> DNA

<213> Homo sapiens

<400> 17795
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 catagcacac ccaaagaga tacatgttgc ctacaaagag accgagtagg gattatacct 120
 cttttgtggt cataggagg ccaaa 145

<210> 17796

<211> 260

<212> DNA

<213> Homo sapiens

<400> 17796
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 cgctgtaat ccctgcactt tgggaggcca atgcagttgg atcacgaggc caagagttca 180
 agaccagcct agttamcatg gcgaaacccc atctctacta aaaatacaaa aacttagctg 240
 ggcatggtgg tgggmacctg 260

<210> 17797

<211> 144

<212> DNA

<213> Homo sapiens

<400> 17797
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 tgatcccttc tgaacctctc caaacctttt ttacacaaaa gctatttttg gtttaaaaat 120
 cctagaagat catgtcgggt ccct 144

<210> 17798

<211> 77

<212> DNA

<213> Homo sapiens

<400> 17798
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<210> 17799

<211> 208

<212> DNA

<213> Homo sapiens

<400> 17799
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 gcttggaat gccgctcaaa gagtgtggt aactccatcg aaggctaaat accaacgtga 120
 cagtataat aaacaagtac tttatgggaa agtttttttt ttaattattt ttaaaaagag 180
 agaaattgta ctggagaaaa gaggaatt 208

<210> 17800

<211> 104

<212> DNA

<213> Homo sapiens

<400> 17800
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 aatttccttt ggagtcattt ttggcattgc ttgggtactg ccac 104

<210> 17801
 <211> 140
 <212> DNA
 <213> Homo sapiens

<400> 17801
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 gtcacargtg agccctarga tttttggctt gagcaattgg aarttaggga ratgtcatta 120
 attgcgatgg aaaaacgtat 140

<210> 17802
 <211> 269
 <212> DNA
 <213> Homo sapiens

<400> 17802
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 attggaggtg attttgaagg agaaacaatt tggaggggga ttggatcaag gtgttttagag 120
 tttcctcaaa atactgaatc taacccttat ctgaagatca gttttgggta gagaaggagg 180
 gggatgaagt ttgctggaaa aaacagaacc tttagttagg tgttctttgc cttttggcat 240
 agactttagt gatagcagta gtgggacgc 269

<210> 17803
 <211> 89
 <212> DNA
 <213> Homo sapiens

<400> 17803
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 agctcctggg ctcaagcggc cccccacct 89

<210> 17804
 <211> 218
 <212> DNA
 <213> Homo sapiens

<400> 17804
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 ttctatgtta tgggcactga aactaaaaga aactgtggaa ggattggtac cttagagaaa 120
 tgaaaaagca aaaacatcag aaattatggt gtatttctgt aaagttagtg acactgagtg 180
 tgcccacctc tcttgccctcc tctttaacct cccctaca 218

<210> 17805
 <211> 193
 <212> DNA
 <213> Homo sapiens

<400> 17805
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 ttgagacaca gtctcacttt attctcaggc tgaaatgcaa tggcacgac ttggctcact 120

ccacctcctg agttcaagcg attctccgc ctcagccccc tgagtagctg agattacagg 180
cacacaccac aaa 193

<210> 17806
<211> 72
<212> DNA
<213> Homo sapiens

<400> 17806
caagaatcca gaaacactaa atttaaacad gaatgaattg acgttggttg ttttatagac 60
atttaattaa aa 72

<210> 17807
<211> 177
<212> DNA
<213> Homo sapiens

<400> 17807
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cccttcctga tgccgggctt cgaaggcttc ttgcactgat gccctgggga acccctcagg 120
aggcctctag ctgacttggtg tctgtgtga atktttgcc actttggaag cggccca 177

<210> 17808
<211> 97
<212> DNA
<213> Homo sapiens

<400> 17808
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ttgaggcggg aggatggctt gagccaagga gggccgc 97

<210> 17809
<211> 147
<212> DNA
<213> Homo sapiens

<400> 17809
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attttgcttc cctgagggtc ttggcatttg caaaggccct tggatgaagg attatgagtc 120
tgaatgtgaa tkwgtcagag cagctat 147

<210> 17810
<211> 163
<212> DNA
<213> Homo sapiens

<400> 17810
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<210> 17811
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004220"666T560

<213> Homo sapiens

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<210> 17812

<211> 168

<212> DNA

<213> Homo sapiens

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<210> 17813

<211> 216

<212> DNA

<213> Homo sapiens

<400> 17813
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<211> 69

<212> DNA

<213> Homo sapiens

<400> 17814
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<210> 17815

<211> 169

<212> DNA

<213> Homo sapiens

<400> 17815
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<210> 17816

<211> 77

<212> DNA

<213> Homo sapiens

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<211> 121

<212> DNA

<213> Homo sapiens

<400> 17817

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<210> 17818

<211> 150

<212> DNA

<213> Homo sapiens

<400> 17818

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gagttttgct gaattaatat ggttggtaaa tctctctctg tgtaggatca ctgtttaatg 120
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<210> 17819

<211> 129

<212> DNA

<213> Homo sapiens

<400> 17819

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<210> 17820

<211> 115

<212> DNA

<213> Homo sapiens

<400> 17820

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<210> 17821

<211> 201

<212> DNA

<213> Homo sapiens

<400> 17821

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cggcctcagg ggtggccggg aacagcctgg aatcagctgg aggacgtcag caggactgag 180
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<210> 17822

<211> 212

004220" 665E7560

<212> DNA

<213> Homo sapiens

<400> 17822

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agagtcctac agagggagag gccagagaag ctgcagaaga cacaggcagg gagagacaaa	180
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<210> 17823

<211> 178

<212> DNA

<213> Homo sapiens

<400> 17823

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aggatgggtc cgatctcccg acctcgtgat ctgccgcct cagcctcca aagtgtggg	120
attataggca tgagccaccg cgcccagccg gctctgaatc tttgcaagct ccacccaa	178

<210> 17824

<211> 128

<212> DNA

<213> Homo sapiens

<400> 17824

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<210> 17825

<211> 204

<212> DNA

<213> Homo sapiens

<400> 17825

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tctaccaagt attagcattg atactattta agacagcgtg tcactagcac acatcccagg	180
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<210> 17826

<211> 164

<212> DNA

<213> Homo sapiens

<400> 17826

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<210> 17827

<211> 284

<212> DNA

<213> Homo sapiens

<400> 17827
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 accagccttg catcccaggg atgaagccca cttgatcatg gtggataagc tttttgatgt 180
 gctgctggat tcggtttgcc agtattttat tgaggatttt tgcattcatt ttcattcaagb 240
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<210> 17828
 <211> 127
 <212> DNA
 <213> Homo sapiens

<400> 17828
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 cggccat 127

<210> 17829
 <211> 163
 <212> DNA
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<400> 17829
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 tttagcatta gatatactc ctaatgctat ctctccctcc tct 163

<210> 17830
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 <212> DNA
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<400> 17830
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<210> 17831
 <211> 142
 <212> DNA
 <213> Homo sapiens

<400> 17831
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 tctagtgtta gaaagggctg ac 142

<210> 17832
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 17832

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cacaacgtgc aggtttgtta catatgtata catgtgccat gttgggtgtg tgcacccatt 180
aactcatcat ttacattaga ttttcccct aatgctatcc ctctcctatg cccctacccc 240

<210> 17833
<211> 123
<212> DNA
<213> Homo sapiens

<400> 17833
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<210> 17834
<211> 285
<212> DNA
<213> Homo sapiens

<400> 17834
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aaccagcctt gcatcccagg gatgaagccc acttgatcat ggtggataag ctttttgatg 180
tgctgctgga ttcggtttgc cagtatttta ttgaggattt ttgcatcatt gttcatcaag 240
gatattggtc taaaattctc tttattgggt gtttctctgc ccggg 285

<210> 17835
<211> 129
<212> DNA
<213> Homo sapiens

<400> 17835
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acaaggga 129

<210> 17836
<211> 179
<212> DNA
<213> Homo sapiens

<400> 17836
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aggTgacttt ctgcaagcta aagtatgaga accattggct tggatgtagt tctaaacttt 120
taggtctgta aatcttgaaa tcttgaactg aaggTcaact attggctttt tttttttt 179

<210> 17837
<211> 309
<212> DNA
<213> Homo sapiens

<400> 17837
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gcctcagcct	cccaagtagc	tgggattaca	ggcatgcgcc	accatgcctg	gctaattttg	180
tacttttagt	agagatggg	tttctccatg	twgggccagt	tggctttgaa	ctcctaactt	240
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<210> 17838
 <211> 161
 <212> DNA
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<210> 17839
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 <212> DNA
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<210> 17840
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 <212> DNA
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<210> 17841
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 <212> DNA
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<210> 17842
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 <212> DNA
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<400> 17842						
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agccagcct	ccagtctg	gttccctcag	gaattcgaag	accctgg		107

<210> 17843
 <211> 78
 <212> DNA
 <213> Homo sapiens

<400> 17843
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 gaaatccttt tttttttt 78

<210> 17844
 <211> 118
 <212> DNA
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<400> 17844
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<210> 17845
 <211> 103
 <212> DNA
 <213> Homo sapiens

<400> 17845
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 cggaagcacc gcttttttta gttcagaaaa tatggccccc atc 103

<210> 17846
 <211> 203
 <212> DNA
 <213> Homo sapiens

<400> 17846
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 gatccaccca cctcagcccc cct 203

<210> 17847
 <211> 362
 <212> DNA
 <213> Homo sapiens

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<210> 17848
 <211> 185

<212> DNA
<213> Homo sapiens

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cacagctgca actttttgcc ctataatgta taatgttccc tcccgtttct cttttttttt 180
ttttt 185

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<211> 251
<212> DNA
<213> Homo sapiens

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ttccttttca ttttagtgcc ttcccttcagg aactcttgta aggtctggcct ggtgggtgaca 120
aaaaatctct cagcatttgc ttgtctgtaa aggattttat atctccttca cttatgaagc 180
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ttggccccct c 251

<210> 17850
<211> 313
<212> DNA
<213> Homo sapiens

<400> 17850
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taagaatttt ttttttttca gttataatgg ttactttttt aaattttatt attattatac 180
tttaagtttt aggttacatg ggcacaaatgt gcagggttagt tacatatgta tacatgtgac 240
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tcccaccccc ctc 313

<210> 17851
<211> 121
<212> DNA
<213> Homo sapiens

<400> 17851
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tttcagctt catccatgtc cctacaaagg acatgaactc atcaattttt gtggctgcac 120
a 121

<210> 17852
<211> 132
<212> DNA
<213> Homo sapiens

<400> 17852
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cacttatcag tagtagtagc agtagtagta atagagctgt tttttctttt ttttttttyc 120
cctttttttt tt 132

<210> 17853
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 gttggaagga agttgtccat tttaaatctt ctgaatatgg ctaaccagtt atcctaggta 180
 cc 182

<210> 17854
 <211> 132
 <212> DNA
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<400> 17854
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 tttttttttt tt 132

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 <211> 199
 <212> DNA
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 tttgtrtgtg tgtgtgwrta tgtatgtgtg tgtgtgtggg ggccttwtat ttttttttat 180
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 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 17856
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 caccatgttg gtcaggctgg tctcaaaactc ctgacctgaa atgatccacc cacctcggcc 180
 tcccaaagtg ctgggattac aggcgtgagc cactgcccc agtgaagggt tttttttttt 240

<210> 17857
 <211> 81
 <212> DNA
 <213> Homo sapiens

<400> 17857
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 catattcttt tttttttttt t 81

<210> 17858
 <211> 295

004220" 665ET560

004220" 666E1560

<212> DNA
<213> Homo sapiens

<400> 17858
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<211> 245
<212> DNA
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cccc 245

<210> 17860
<211> 187
<212> DNA
<213> Homo sapiens

<400> 17860
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gtacatgtgc acattgtgca gtttagttac ctatgtatac atgtgccatg ctggtgtgct 120
gcaccttata actcgtcatt tagcattagg tatactctct aacgctatcc ctccccctc 180
ccccaac 187

<210> 17861
<211> 188
<212> DNA
<213> Homo sapiens

<400> 17861
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tcaccaaggc tggaatgcag tgggtgcaatc acagctcagt gaagccttga gcttctgggc 120
tcaagctgtc ctcccgcctc agcctcctga gtagctggga ctacaggcgt gcgaccacca 180
taccgggc 188

<210> 17862
<211> 220
<212> DNA
<213> Homo sapiens

<400> 17862
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tatacaaaaa ttagctgggc gtgggtgggtg gtgcctgtaa tcccagctag ttaggaggct 120
gaggcaggag aatcacnhga acccaggagg tggaggttgc agtgagccaa gattgcacca 180
ctgcccctct caaaaaaata aaaaaataaa aaataaattc 220

<210> 17863
<211> 347
<212> DNA
<213> Homo sapiens

<400> 17863
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tatggctgtc tttcaacatg acaatagtat acatatgtaa caaacct 347

<210> 17864
<211> 269
<212> DNA
<213> Homo sapiens

<400> 17864
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accagcctg gatgtgggca tttttaaggg gtccattatt ctgctactac aggggcctac 180
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acctgcagca atgttgccca cnggcagca 269

<210> 17865
<211> 131
<212> DNA
<213> Homo sapiens

<400> 17865
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<210> 17866
<211> 150
<212> DNA
<213> Homo sapiens

<400> 17866
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gctgagggtg gtaaatcact tgagctcagg agtttgagac cagcctgggc agcatggtaa 120
aacctcatct ctacaaaaa aaaaaaaaaa 150

<210> 17867
<211> 344
<212> DNA
<213> Homo sapiens

<400> 17867
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attttttaaat agcctattaa gaatggtttt tgcatttcta aaggactgtg aaagaaaaaa 180
 gaaagagaaa tatgcgagag agatcatatg tggcacacag ccttaaaata ttactgtct 240
 gaccttcaca aaaaacgatt tgaaaaagtt ggtttagtag gatgaaagga attaaagtta 300
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<210> 17868
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 <212> DNA
 <213> Homo sapiens

<400> 17868
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 atactttaaa aaaaatcaga ctattgcaca gaactctaga ttccaggctt ctcttgaagt 180
 cagatctaac aactctgacc ctgaatccca cccacatggc aataatttat tacaatggag 240
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<210> 17869
 <211> 197
 <212> DNA
 <213> Homo sapiens

<400> 17869
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 actgtgagcc gagatcaccc tactgcactc cagcctgggc agcagagcga gactccgtct 120
 caaaaaataa aagamaaaaa aaagagayct ggaaraggag gggtgaggat ctgctgcagg 180
 gttcaaagtc ctgtycc 197

<210> 17870
 <211> 169
 <212> DNA
 <213> Homo sapiens

<400> 17870
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<210> 17871
 <211> 101
 <212> DNA
 <213> Homo sapiens

<400> 17871
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 tctagcatta ggtatatctc ccaaagctac cccctaccca a 101

<210> 17872
 <211> 182
 <212> DNA
 <213> Homo sapiens

<400> 17872

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tgcatatttc	atagccacat	tcgagaacta	atatttgaaa	actcttgggg	gaaattttgt	180
ta						182

<210> 17873
 <211> 199
 <212> DNA
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<400> 17873						60
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agaatggcgt	gaaccagga	ggcggasttg	cagtgcagca	agatcgagcc	actgcattcc	180
tgggggacag	agtgagactc	caactcaaaa	aacaaaaaaa	caaacaaaaa	aacaaacaaa	199
graatcattt	cgaggccat					

<210> 17874
 <211> 69
 <212> DNA
 <213> Homo sapiens

<400> 17874						60
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aaaggaact						151

<210> 17875
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 <212> DNA
 <213> Homo sapiens

<400> 17875						60
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<210> 17876
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 <212> DNA
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<400> 17876						60
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ttgaaagtgg	ttccagaatg	ttttgataaa	ataagggaga	aatggcagac	tctgatcggt	182
aa						

<210> 17877
 <211> 52
 <212> DNA
 <213> Homo sapiens

<400> 17877						52
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<210> 17878
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 17878
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 ttgggaggcc gaggcgggtg gatcatgaag tcaggagatc aagaccagcc tggctaacac 180
 ggtgaaaccc cgtcccccac 199

<210> 17879
 <211> 154
 <212> DNA
 <213> Homo sapiens

<400> 17879
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 ggaatggaat ggaatggaat ggaatggaat gtag 154

<210> 17880
 <211> 143
 <212> DNA
 <213> Homo sapiens

<400> 17880
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 gaaaacactg gcaccaccca cga 143

<210> 17881
 <211> 171
 <212> DNA
 <213> Homo sapiens

<400> 17881
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<210> 17882
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 <212> DNA
 <213> Homo sapiens

<400> 17882
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 cctc 124

<210> 17883
 <211> 168
 <212> DNA

<213> Homo sapiens

<400> 17883
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tcaaaaagcg ttgttgaatt aatttgcttt tcatctcctt ttattcattt ttctwtattt 120
ttctccacct cctgttttaa ttttttttag aaactgggccc tcaactctt 168

<210> 17884

<211> 140

<212> DNA

<213> Homo sapiens

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<210> 17885

<211> 274

<212> DNA

<213> Homo sapiens

<400> 17885
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accacaccca gataattttt tttttwattc ttagtagaga cggggtttca ccatgttggtc 180
caggctgggtc ttgaactcct gacctcaggt gatcsgccc cytmagcctc ccaaagtgck 240
gggattamag gtgkgagtma stgmaccggc ccga 274

<210> 17886

<211> 356

<212> DNA

<213> Homo sapiens

<400> 17886
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tcagacaagg cctgggtcta tcaactcaggc cagagtgcag aggtgctatc tcaactcact 180
gcaacctcgc cctcacagcc tcaagccatt ctcccaactc agcctcccaa gtagatggga 240
ccacaggatt gtaccaccac actcggaaaa tttttgtgtt tttggtagag atgggtgttc 300
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<210> 17887

<211> 176

<212> DNA

<213> Homo sapiens

<400> 17887
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aatctgcctt cttcatatta acaaaaaggg ataaaatttc aagtcctttt tccttt 176

<210> 17888

<211> 112

<212> DNA

<213> Homo sapiens

<400> 17888

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cttccagcct	gcgacctgcg	gagaaaaaaa	attacttatt	ttcttgcccc	ac	112

<210> 17889

<211> 272

<212> DNA

<213> Homo sapiens

<400> 17889

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cagggtgcat	gcgatgagtt	ttgcttgccg	gcatagataa	acttgactat	gtctgttcta	180
ctcaatttga	tgtatagttt	gaaaggtaat	gctgtattac	gaataaaata	atgggtatat	240
ctacctaaaa	aggagavatt	acaatggggg	gc			272

<210> 17890

<211> 336

<212> DNA

<213> Homo sapiens

<400> 17890

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ctctcctgcc	tcagtctccc	gagtacctgg	gactacaggg	accatgcctg	gctaattttt	180
tatatattta	ttagagacag	gttttcatag	tgtagacag	gatgggtgtc	gtctcctgac	240
cttgtaaaac	tgccccaccc	ctatcttcc	tgtgtgctct	ctttkcagcc	tcagbccacc	300
tgccccagg	tgattaaaaa	gctttattgc	ggccag			336

<210> 17891

<211> 195

<212> DNA

<213> Homo sapiens

<400> 17891

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gaacgtacag	gtttgttacg	ttggtataca	tgtgccatgg	tggtttgctg	cacctatcaa	120
cccgtcatct	agggttttaag	ccccacatgc	attaagtatt	tgtcctaata	ctctccctct	180
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<210> 17892

<211> 277

<212> DNA

<213> Homo sapiens

<400> 17892

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tcacagagat	ggagcgtacc	ctggcactgc	tggcctttga	cagtcccag	gagtcgccct	180
tcggagacct	cctccacacc	atgcagaggc	agaaggtgtg	gagtgaagtt	aaccaagctg	240
tgctagatta	tgaaaatcgc	gagtcaacac	ccaaact			277

<210> 17893
 <211> 193
 <212> DNA
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<400> 17893
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 tgtgttactc tctctgtcct gttcatcttt ctaactctta gtgcaattta ggattacagc 180
 agactccccc atg 193

<210> 17894
 <211> 168
 <212> DNA
 <213> Homo sapiens

<400> 17894
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 tttcaaggaa ttacaagaag gctagtgtgc cagagttggg agagtgtctg ggtatgaagt 120
 ggtggtggtg gtggtgcatg ctagtaggaa atgagaytga gaattggc 168

<210> 17895
 <211> 57
 <212> DNA
 <213> Homo sapiens

<400> 17895
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<210> 17896
 <211> 314
 <212> DNA
 <213> Homo sapiens

<400> 17896
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 tgaaagtgta agtgtatgta gaactatata tggagtgggt ggaagtacaa aagagggagt 120
 gttttkttct tctbatggg taggggggta atatcagaaa tattcataga gggggtgact 180
 cttgaaggat cagttttctc tggaagggtta tggcctttga aataaaaatt attccagata 240
 gagcaccagg agtgaaggcc ttgagatgta agatagccta ggcattgttg ggcccatagt 300
 actgctggag taag 314

<210> 17897
 <211> 116
 <212> DNA
 <213> Homo sapiens

<400> 17897
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<210> 17898
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<212> DNA
<213> Homo sapiens

<400> 17898
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ttat 64

<210> 17899
<211> 111
<212> DNA
<213> Homo sapiens

<400> 17899
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tgttctatt ttccacagc ctcaccagca tctgttgtt cttgactgtt t 111

<210> 17900
<211> 146
<212> DNA
<213> Homo sapiens

<400> 17900
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ggaatgctgt acgtgctgac cacatctaag aaccattaaa aagcaaggaa acaacaaaac 120
aacccttttc tcattccgac acacgg 146

<210> 17901
<211> 84
<212> DNA
<213> Homo sapiens

<400> 17901
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gtagagcacc gaaaaccacg agat 84

<210> 17902
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<212> DNA
<213> Homo sapiens

<400> 17902
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cagttagctg ggtctgggcc ttctcttgga gatataatct tgggatggac ccaagttctg 120
gcttgccat tgaagaagcg aggcccaa 148

<210> 17903
<211> 153
<212> DNA
<213> Homo sapiens

<400> 17903
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cgctgtaat cccgcactt tgggaggctg aggcaggcgg atcatgaggt cgggagtttg 120
agactagcct ggccaatgta gcgaaacccc gtc 153

<210> 17904
 <211> 123
 <212> DNA
 <213> Homo sapiens

<400> 17904
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 cgc 123

<210> 17905
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 17905
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 ttggtgtgaa tactatctac agagtagtta aaatccagaa aacattttaa gggcattatt 180
 ttataattca tgaaaggga actaatgatt aattgaacat tgcttatgat gattttttct 240
 aatagtctgt gaaagtctgt ttactaaaaa tgcataccga aattatctgc tcccacctcc 300

<210> 17906
 <211> 195
 <212> DNA
 <213> Homo sapiens

<400> 17906
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 ttttccatgc tgttctcatg atagtgaatg agtctcatga gatctgatgc ttttaaacad 120
 gggagtttcc ctgcataagt cctctcttta cctgctgtca tccatgtaaa atgtgacttg 180
 ctctcctcgg cctcc 195

<210> 17907
 <211> 154
 <212> DNA
 <213> Homo sapiens

<400> 17907
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 tgtatacatg tgccatgttg gtgtgctgca cccattaact cgtcatttag cattaggtat 120
 atctccta at gctatccctc cccctcccc ccac 154

<210> 17908
 <211> 289
 <212> DNA
 <213> Homo sapiens

<400> 17908
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 ggacggatca cggggtcagg agatcgagac catcctggct accacagtga aaccccatct 120
 ctactcaaaa taaaaaaagt tagccgggca cgggtggcgg cgctgtagt cccagctact 180
 tgggaggctg aggcaggaga atggcgtgaa cccggaaggc agagcttgca gtgagcggag 240

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289

<210> 17909
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<212> DNA
<213> Homo sapiens

<400> 17909
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gcagccatac acctattctt cttctttctt tttttttttt tt 162

<210> 17910
<211> 381
<212> DNA
<213> Homo sapiens

<400> 17910
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tgaacnattg caccgcgcca a 381

<210> 17911
<211> 109
<212> DNA
<213> Homo sapiens

<400> 17911
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<210> 17912
<211> 332
<212> DNA
<213> Homo sapiens

<400> 17912
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caactccagg tggggasact atgtagacct cc 332

<210> 17913
<211> 119
<212> DNA
<213> Homo sapiens

<400> 17913

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gcacccacta atgtgtcatc tagcattagg tatatctccc aatgctatcc ctccccct 119

<210> 17914
<211> 215
<212> DNA
<213> Homo sapiens

<400> 17914
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amctggaagg tggagattgc agtgagccga gatcgtgtga ctgcactcca tcctgggctt 180
cagagtgaga ctgtcttaaa aaaaaaaaaa aaaaa 215

<210> 17915
<211> 152
<212> DNA
<213> Homo sapiens

<400> 17915
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taacctcagt aactggcttc ttgtccccct gtttccctacc akggaagcct tcctgtccgc 120
gtctgtgggt tcccaactct gatatttgct ca 152

<210> 17916
<211> 188
<212> DNA
<213> Homo sapiens

<400> 17916
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ttaaaraaag tccaaataat tggggtagtga tttaaagata gctatatgag accttgttca 180
gggtacc 188

<210> 17917
<211> 191
<212> DNA
<213> Homo sapiens

<400> 17917
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ttagtgcttt atgacacat cttagtaaag gagagttatt agttttaaga gtatctgggs 120
catggaaatt acttttatta tttaataatac attttccttc tgtgtagaca gaaggamtcc 180
ttctgtgtag a 191

<210> 17918
<211> 125
<212> DNA
<213> Homo sapiens

<400> 17918
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125

gaaat

<210> 17919

<211> 275

<212> DNA

<213> Homo sapiens

<400> 17919

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ttaaaggaaga attgagggaa atatctaggt ttgcatcctc agcaatgtgg tagatactgc	120
tgccattttac tgagatggac aaaagcagga ggacagcagt ttgtgaggac taccaaaaat	180
tccgtgtaga aatgagggct tgaatggaaa tgtaaacgct ttttggttct aacatacaat	240
agggcattgg tctgaagtga tgtcacccag ctcgc	275

<210> 17920

<211> 93

<212> DNA

<213> Homo sapiens

<400> 17920

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atctcacttg aactcacttc tggtttcaag tga	93

<210> 17921

<211> 267

<212> DNA

<213> Homo sapiens

<400> 17921

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ttgagataag agtcttgctc tgtggcccag gctggagtgc agtggcgcta tctcggttg	180
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<212> DNA

<213> Homo sapiens

<400> 17922

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tagtcaatca tcttgaagcc cctgttatg ttaaagtctt taatggaaaa agaagacaac	180
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<210> 17923

<211> 200

<212> DNA

<213> Homo sapiens

<400> 17923

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 gggactaccg gcgccacct 200

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 <211> 86
 <212> DNA
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<400> 17924
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 tgtgtgtttg agtctgtggt gtagcg 86

<210> 17925
 <211> 170
 <212> DNA
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 <211> 76
 <212> DNA
 <213> Homo sapiens

<400> 17926
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 aaaaaaaaaa aaaaaa 76

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 <211> 122
 <212> DNA
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<400> 17927
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 ca 122

<210> 17928
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 17928
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 aattagctgg ttgtggtggt gcacacctgt aattccagat acttaggagg ctgagggtggg 180
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 ca 242

<210> 17929

<211> 56
 <212> DNA
 <213> Homo sapiens

<400> 17929
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<210> 17930
 <211> 105
 <212> DNA
 <213> Homo sapiens

<400> 17930
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<210> 17931
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 <212> DNA
 <213> Homo sapiens

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 tcttctgcct cagcccaa 138

<210> 17932
 <211> 93
 <212> DNA
 <213> Homo sapiens

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 atctcacttg aactcacttc tggtttcaag tga 93

<210> 17933
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 <212> DNA
 <213> Homo sapiens

<400> 17933
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 tgaatacac caagtagaga aataaatgga acaatctgct tgaagcaaaa aa 112

<210> 17934
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 17934
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 gaagagttca ggtttacctt catgaaagca cacaagatga attagcaagg abatgtgaac 120
 aagtcctcah tgaaaaacac ttggaaattt tccacacaga atttcagaat ttattggatg 180
 ctgacaaaaa tgaagatttg ggacgcatgt ataattctgt atctagaatc caggatggcc 240

274

taggagaatt gaaaaaactg ttggagacac acga

<210> 17935

<211> 84

<212> DNA

<213> Homo sapiens

<400> 17935

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 gtcacattgc ttcgagag gyc

60

84

<210> 17936

<211> 217

<212> DNA

<213> Homo sapiens

<400> 17936

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 catctctaac ctattgtgat taatcttaag ttaggattta aatatttgc aagtaatgta
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60

120

180

217

<210> 17937

<211> 265

<212> DNA

<213> Homo sapiens

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 agtcatattc taatgctcct tactgcagtg gatttttttc ctcaagtkgt gtttgaatca
 ctgaatttgg gaatggcttt aaatgtaagc tattatttta cacaaaaagg gtgataagag
 gcatctcct ctgtccccc ttgct

60

120

180

240

265

<210> 17938

<211> 266

<212> DNA

<213> Homo sapiens

<400> 17938

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 cttgatggag gttacagtct ggtagattaa atatagaatt aaatgaggcc atcagtataa
 atttctcagc tcagagccca gctgcagta accaaagcta aggtgactat aattagagca
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60

120

180

240

266

<210> 17939

<211> 106

<212> DNA

<213> Homo sapiens

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 aaggcactta tttttgagat ggggtcttgt tacataacc aggcca

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106

<210> 17940
 <211> 327
 <212> DNA
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 tttgcctgtc cttaaaggaa tgtatttcgc cttcacttat gaagcttact ttggctggat 180
 atgaaattct ggggtgaaaa tccttttctt taagaatgtt gaatattggc cccactctc 240
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 ggtaaccac cctttctctc tggctgc 327

<210> 17941
 <211> 133
 <212> DNA
 <213> Homo sapiens

<400> 17941
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 gttttctttt tatgtttgtt ttagatgatg ataattccga agaaggcttc cacactattc 120
 attcaggaag gcc 133

<210> 17942
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 <212> DNA
 <213> Homo sapiens

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 cgacctttcc aattgtggta ttattgtttt agctctattg gttacgagga agagtcattc 120
 caaggaggtt tattgtgagg ttaaaatggg ccatcttctg gccatcctag gaaaaaaaaa 180
 aatcgttgta tagyccatgg gctggattaa ggmccggacs 220

<210> 17943
 <211> 208
 <212> DNA
 <213> Homo sapiens

<400> 17943
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 aggctgaggc aggagaatcg cctgagcctg ggaggcggag gttgtagtga gcygagatca 180
 tgccactgca acaagcgtga gactccat 208

<210> 17944
 <211> 347
 <212> DNA
 <213> Homo sapiens

<400> 17944
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acaagatttc accatggtgc ccaggctggt cttaaacttc taggctcaag gggtcgcct 180
gccttgcccc tccaaagtgc tgaaattaca ggcgtgcgtc actgcaaaaa ataaaaaatn 240
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tggcgtgaac ctgggandcg gasttgcagt gakhcgagtn kcaccac 347

<210> 17945
<211> 175
<212> DNA
<213> Homo sapiens

<400> 17945
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tcttcatttc atggtttctc tctgtgtagc tgctttattt cctcttcagg cttac 175

<210> 17946
<211> 279
<212> DNA
<213> Homo sapiens

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tattttattt tattattatt atactttaag ttttagggta catgtgcaca atgtgcatgt 180
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cattaggtat atctcttaac gctatnhctc ccccatctc 279

<210> 17947
<211> 119
<212> DNA
<213> Homo sapiens

<400> 17947
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gaagagacgc agaaggagag cgagcgagag agaaagggtt ctggattgga gaggatagc 119

<210> 17948
<211> 137
<212> DNA
<213> Homo sapiens

<400> 17948
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tttttgtaaa gacaagggtt agccatgttg cccaggctgg tctggaaccc ctgggttcaa 120
gcaatcctcc cacctca 137

<210> 17949
<211> 164
<212> DNA
<213> Homo sapiens

<400> 17949
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atcgcccttg cttgcctgtc gtcagtgcag cgagctgagg cacttgctcg ttcgtcttac 120

catctaacca aacaaaagac aaagaaattg ttgtcctccc cctg

164

<210> 17950
<211> 90
<212> DNA
<213> Homo sapiens

<400> 17950
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agtaggtagtag tcctaatttt tttttttttt 90

<210> 17951
<211> 159
<212> DNA
<213> Homo sapiens

<400> 17951
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tttgaagata cctgaaaatg tgaaagcaac tttgaaactg ttccagcctc tgcccattac 120
acagtttcaa agtkgctttc acattttcag gtatcttca 159

<210> 17952
<211> 52
<212> DNA
<213> Homo sapiens

<400> 17952
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<210> 17953
<211> 417
<212> DNA
<213> Homo sapiens

<400> 17953
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acaattaata agcgtacagc tcttccagga tctggcacct gccaacatgt ctttcttttt 180
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nmcaagcacg tgccaccraa cccagctaatt tttkgwattt ttagtagaga magggtttca 360
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<212> DNA
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<400> 17954
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gtcccgggtc cttggtgggg ttctgggtcac agcgggccat ttctagcttg cacctcttca 180
tgaccaaca gtgaaatgac caca 204

<210> 17955
<211> 220
<212> DNA
<213> Homo sapiens

<400> 17955
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agctatgcc tccctcaga gatggagtct acagaggcag gcaggcctca ttagctgcgg 120
tggactccac ccagttcgac cttcccggcc actttgttta cctactcaag cctcagcaat 180
ggcggacacc acgcccattg agccttggtc actggtagca 220

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<211> 322
<212> DNA
<213> Homo sapiens

<400> 17956
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ggccggggcga ggtggctcac gcctataatc ctgacacttt cggaggctga ggtgggtgga 120
tcacctgatg tcaggagtcc gagaccagcc tggccaacgt gatgaaacc tatctctact 180
aaaaatacaa aaactagcca agcgaggtgg ctgacgcctg taatcccagc taccggggag 240
gctgaggcag gagaattgct tgaacctggg aggcagaggt tcaagtgaac tgagaccgtg 300
ccattkyact caagcctggg cg 322

<210> 17957
<211> 205
<212> DNA
<213> Homo sapiens

<400> 17957
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tttcatccct ttttttcagt ctatgtgtgt ctttataggc gaagtgtgtt tttgtaggca 180
acacatcatt gagtcttttt ttttt 205

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<211> 148
<212> DNA
<213> Homo sapiens

<400> 17958
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gattggcagt ccctttcagc tttacagctt tacatcatct acagatttgt taagtatgtt 120
ctcttggtct tctaattcac tgatggac 148

<210> 17959
<211> 169
<212> DNA
<213> Homo sapiens

<400> 17959
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gagtgcagt gcatgatctc ggctcactgc aacctccacc tcccaggttt aagagattct 120
cctgcctcag cctcccagat agctgggact agaggcacgc accaccag 169

<210> 17960
 <211> 245
 <212> DNA
 <213> Homo sapiens

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 ttatcctttg agttacaaac aatccaatta tactctttta gttattttta aatagacaat 120
 taagttacta ttgactatag ccatcctatt atgctatcaa atagtaggtc ttattcattc 180
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 <211> 211
 <212> DNA
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 ttctctctaa catccaactg tggctctgtc tactggctga atatgggggt tttatatgta 120
 caggatggga cgggacaggg ccatggggtg tttaggaaaa ggcagtattc gggcgggaaa 180
 acagggatat aagttctcat tttgggcgga a 211

<210> 17962
 <211> 190
 <212> DNA
 <213> Homo sapiens

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 tawatggctc ttgttgctaa atcataacag ccataaaatg atgcaaaaatt ttaaaatggt 180
 tactgatttt 190

<210> 17963
 <211> 335
 <212> DNA
 <213> Homo sapiens

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 gatttaaatg taagatcgga aactatgaaa atagtaggaa aaaaacatag gagaaaagct 120
 ctgtgacatt ggtctagaca aggcttaaac cttgaaagca cagagaacaa aagcaactat 180
 agacacatgg cattaaatta aactaaaaag cttctgcaca gcaaaggaaa caatcaagag 240
 agcacaacaa cctacagaat gggagaatat atttgcaacc tatacatctg ataaggggtt 300
 aatatataaa gaactcaaac aactcagcag cttaa 335

<210> 17964
 <211> 170
 <212> DNA
 <213> Homo sapiens

<400> 17964

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tttcttcata tgtaacatct tttttctttt tttttttttt tttttttttt 170

<210> 17965
<211> 82
<212> DNA
<213> Homo sapiens

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tagagcaccg aaaaccacga gg 82

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<212> DNA
<213> Homo sapiens

<400> 17966
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ttggaggcca cagattcaag aaattattta aaggcatata gaaaatccag atataatctg 120
caattgatat cagagtgtca tctctggctt aagtggcatt tccagatagg attttccatg 180
cttcttatgc gagaagtagg ctcgattata gaactagttt gtaaaagctc attatgtctg 240
tctcttctca actccgtgtt caatgagggtc aagtttgtga agtttgtggc ttgaaatcag 300
ctatgggtgca aatatctaca gwatgaatat cagcagcagt haaaaatcag tctctagctc 360

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<211> 290
<212> DNA
<213> Homo sapiens

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ttttccagcg tcagttggaa tgatcatatg gtttttgtcc ttcattctgt gatgtgatgt 240
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<210> 17968
<211> 150
<212> DNA
<213> Homo sapiens

<400> 17968
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gaggtggaga ttgcagttag ccgagattgt gccactgcac tccagcctag gcaatacagt 120
gaggtccgt ctcttttaaa aaaaaaaaaa 150

<210> 17969
<211> 146
<212> DNA
<213> Homo sapiens

<400> 17969

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gccataaaaa atgatgagtt cacgtccttt gtggggacat ggatgaaatt ggaaatcatt 120
attctcagta aactattgca agaaca 146

<210> 17970
<211> 223
<212> DNA
<213> Homo sapiens

<400> 17970
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cttgcacaa catatatcca catccatatg gaatctgtcc atatctaccc caactttgga 180
aagttttccg cctttgtttc tttaaataag ctttctgccc cat 223

<210> 17971
<211> 182
<212> DNA
<213> Homo sapiens

<400> 17971
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tgccctcggg atgtcctttg gagcagtttt attccccagt gcaggatata gtccaggatc 120
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tt 182

<210> 17972
<211> 124
<212> DNA
<213> Homo sapiens

<400> 17972
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agca 124

<210> 17973
<211> 83
<212> DNA
<213> Homo sapiens

<400> 17973
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tttttttttt tttttttttt ttt 83

<210> 17974
<211> 103
<212> DNA
<213> Homo sapiens

<400> 17974
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gccaggctgg tctcgaactc ctgaccttgt gatccgcccc cct 103

[illegible]

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<211> 111
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<212> DNA
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<212> DNA
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 cagcctrggt gagagtgaga ctctatctcc aaaaa 155

<210> 17981
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 <212> DNA
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<400> 17981
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 tgtaatccca gcactttggg aggccaaaggc ggggtggatca tgaggtcagg agatcaagac 120
 cagcctggcc aacttggcaa aaccctgtct ctactaaaaa agtacaaaaa ttagcagggt 180

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 <213> Homo sapiens

<400> 17982
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 ggctgaggca ggagaactgc ttgaaccagc gaggcagaag ttgcagtgag ccaagtcgca 120
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<210> 17983
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 <212> DNA
 <213> Homo sapiens

<400> 17983
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 gtcttggcct cctgagtagt tgggactaca ggtgcacacc accatgcctg actaattttc 180
 ttttcttttt tttttttttt tt 202

<210> 17984
 <211> 144
 <212> DNA
 <213> Homo sapiens

<400> 17984
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 aaatgggtatt tctagttcta gatccctgaa gaatcgctac actgacttcc acaatgggtg 120
 aactagttta cagtcccacc aacg 144

<210> 17985
 <211> 110
 <212> DNA
 <213> Homo sapiens

<400> 17985
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110

<210> 17986
<211> 143
<212> DNA
<213> Homo sapiens

<400> 17986
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ctggtcttga actcctggcc tcaggtttcc acctgcctca gcctcccaaa gtgctgggat 120
tacaggtgtg agccaccggc ccc 143

<210> 17987
<211> 155
<212> DNA
<213> Homo sapiens

<400> 17987
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cgagaggcc ctccggatga ggagaagagt gacttttgta aacatggagg acgcatagcc 120
caccctggag agagccctgc aggaggacag aggga 155

<210> 17988
<211> 276
<212> DNA
<213> Homo sapiens

<400> 17988
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tgctctctca ggaatggggg agctggaaga aaactcatgt ataagtgaat ccaggcagtt 180
caaaccgctg ttgatcatgg gtcaacggta aatgaatggg cgaggctttg ttccaataca 240
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<210> 17989
<211> 204
<212> DNA
<213> Homo sapiens

<400> 17989
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actgtcttaa gcatttctta taaagcagtt tgagtgtgtg tgtactcctt cagcttttgt 120
ttgtgtggaa aagtctttat ctacatttt caaagctaag ttttgctggg tatgatattc 180
ttggttaaaa gttttttttt tttt 204

<210> 17990
<211> 107
<212> DNA
<213> Homo sapiens

<400> 17990
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caaatggggt tttacatata tctgtgttaa gtaataataa ggctgga 107

<210> 17991
 <211> 241
 <212> DNA
 <213> Homo sapiens

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 cagtcaccc tgcctttgcc aaccctatga ggcccaggtg actgcactcc cctgtaggcc 180
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 a 241

<210> 17992
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 <212> DNA
 <213> Homo sapiens

<400> 17992
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<210> 17993
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 17993
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 agagagagtg tgtgtatgtg tgcacatgtg tgkgagtgtg agcgagagtg tgtgtgtgtc 180
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<210> 17994
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 17994
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 gatctcaaag cttgaagaag ctgagcaaaa cagggaaga ttgttatatt tgtctttatg 120
 aaattgggat ggaatttgct atgcagaatt gaggtttgtg gctttgctgt tcctgtaggg 180
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<210> 17995
 <211> 65
 <212> DNA
 <213> Homo sapiens

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<210> 17996

<211> 163
 <212> DNA
 <213> Homo sapiens

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 ccactmaagc tagttaccct ctctgagttt tataccccct tat 163

<210> 17997
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 <212> DNA
 <213> Homo sapiens

<400> 17997
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 aatgagaaat caccayagtg aaagtaaaag acgagagtwc gaactcagca agttctcatc 120
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<210> 17998
 <211> 193
 <212> DNA
 <213> Homo sapiens

<400> 17998
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 aatccaatcc attaacaggc aactgcagcr gaacaatttt cagaattgct aaaacacgag 180
 aggaaacaga acc 193

<210> 17999
 <211> 107
 <212> DNA
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<400> 17999
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<210> 18000
 <211> 187
 <212> DNA
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<400> 18000
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 ggcagatct cggtctgctg caaccttcgc ctcccggtt cagatgattc tcccgcctcg 180
 gcctccc 187

<210> 18001
 <211> 119
 <212> DNA
 <213> Homo sapiens

<400> 18001
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 atctctccct ccttccctcg cttccttctt ccttttgacc ttcttctctt cctcctcc 119

<210> 18002
 <211> 158
 <212> DNA
 <213> Homo sapiens

<400> 18002
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 gtttttaatg tgtcttgatt tttttttttt tttttttt 158

<210> 18003
 <211> 177
 <212> DNA
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<400> 18003
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 ttacagttg aatccacaag cttttatgag aaactgctct ccaacacatt caaaagctag 120
 cagacagcaa gaaacaacta agatcagagc agaattgaag gagatagaga cacaacc 177

<210> 18004
 <211> 186
 <212> DNA
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<400> 18004
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 tttgttttgt tttgttttga gacggagtct cgtctgttca cccaggcttg aacacagtgg 180
 cacgac 186

<210> 18005
 <211> 160
 <212> DNA
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<400> 18005
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 gtgtttttgt agtggctagt aatggccttt tctttccttt 160

<210> 18006
 <211> 179
 <212> DNA
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<400> 18006
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 caatgaaggc tcgcagttga ggcttttagt ctactttcc acatttctgt ctagggtgt 120

ttagagattt ctgtatattt tacttccttt cccatataaa atttagtggtg catttcttt 179

<210> 18007
<211> 187
<212> DNA
<213> Homo sapiens

<400> 18007
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gtacatgtgc acattgtgca gtttagttac ctatgtatac atgtgccatg ctggtgtgct 120
gcacccctta actcgtcatt tagcattagg tatactctct aacgctatcc ctccccctc 180
ccccaac 187

<210> 18008
<211> 193
<212> DNA
<213> Homo sapiens

<400> 18008
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ttctttaaag gaagctgtat atcacataaa atctaaatca ctcaaaatta tgggtttgat 120
gggcttttct aatatacagt ttgtattgta tatctaagat cacctcccca accaatcttt 180
gggacacttg gct 193

<210> 18009
<211> 147
<212> DNA
<213> Homo sapiens

<400> 18009
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gagtacaata ttggcaagat gtcactgaaa cagtgtgctc tggaatgtgg ccctawagat 120
ggaaggaagg gaagaaagaa gaggtak 147

<210> 18010
<211> 106
<212> DNA
<213> Homo sapiens

<400> 18010
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tgagtgaagat tttctgactt cagaagctta tttatcatgg gagagt 106

<210> 18011
<211> 85
<212> DNA
<213> Homo sapiens

<400> 18011
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<210> 18012
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<212> DNA

<213> Homo sapiens

<400> 18012
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 acacaaaaaa ttagccggg 79

<210> 18013

<211> 97

<212> DNA

<213> Homo sapiens

<400> 18013
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<210> 18014

<211> 120

<212> DNA

<213> Homo sapiens

<400> 18014
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<210> 18015

<211> 308

<212> DNA

<213> Homo sapiens

<400> 18015
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 aatagtatga aatgtahmtt gtaaaacctc taccctttaa atgttttacc tcagcaccac 180
 aagacagggg gagaaaatag aaaaataaac aaacaaaaat acatgtttca cttcttggtt 240
 tttctaactg tggtcagtgt cagcatgatt tttcatccct ggaaaccaca gatcagcctc 300
 tgatagtc 308

<210> 18016

<211> 174

<212> DNA

<213> Homo sapiens

<400> 18016
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 gaattttcat tttccaaagc acatccctta gttggatttc tgtwtttcag tgtatttggt 120
 taagctctga tgccatgtcc aaaaaagaac atgcccgaac aattcccagc ccat 174

<210> 18017

<211> 238

<212> DNA

<213> Homo sapiens

<400> 18017

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ggagtgcagt	ggcgcagtct	cggctcgctg	caacctctgc	cgcccgagtt	gaagcaattc	180
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<210> 18018
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 <212> DNA
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ggtggcttaa	ttttttgttt	gtttgtttgt	ttgttttttg	gagacagagt	cttactctgt	180
caccaggt	ggagtgcagt	ggcgtgatct	tggtcactg	caacctccac	ctcgcggtt	240
cgagcaattc	tcctgcctca	gcctcccag	tagctgggac	taccggtggg	tgccaccag	300
cccagctgat	ttttgtattt	ttagcagagg	tgaggtttca	ccatgttgac	cgggatggc	341
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<210> 18019
 <211> 193
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cccttctaaa	aattaggcaa	ggtggtkcac	gcttatattc	ctagctactt	gggaggctga	180
ggtgggagga	ttgtttgaat	ctaggatttg	aaggttacag	ctatgattgt	gccactgcac	193
tccaacctgg	gca					

<210> 18020
 <211> 158
 <212> DNA
 <213> Homo sapiens

<400> 18020						60
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agctcatctc	gaagggccgt	gggcctgtgt	gtayyytgag	cattgtgcag	taaggggtg	158
ggcatgggag	gccaggactc	tggaagccga	agaggtgc			

<210> 18021
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 <212> DNA
 <213> Homo sapiens

<400> 18021						60
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aaggctgagg	caggagaatt	acttgaacc	aggaggcg	ggttgcagaa	agcggggata	180
gcgtcattgc	actccagcct	ggaagacaga	gtgagactct	gtctcaaaaa	aagaaaaaaa	187
aaaaaaa						

<210> 18022
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 18022
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 agaaatgagc taaaattttc ctgtgcattt gtttgtttat cactagtcta aaatattgct 180
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 ag 242

<210> 18023
 <211> 107
 <212> DNA
 <213> Homo sapiens

<400> 18023
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 gtttcattca ctgcgcagaa agttttttgt gtagttacca tttgtct 107

<210> 18024
 <211> 84
 <212> DNA
 <213> Homo sapiens

<400> 18024
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 cagcatccaa gtaacttttt tttt 84

<210> 18025
 <211> 122
 <212> DNA
 <213> Homo sapiens

<400> 18025
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 ca 122

<210> 18026
 <211> 58
 <212> DNA
 <213> Homo sapiens

<400> 18026
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<210> 18027
 <211> 161
 <212> DNA
 <213> Homo sapiens

<400> 18027
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 gccttacctc ccgagtagct gggamtacag atgccgcga c 161

<210> 18028
<211> 205
<212> DNA
<213> Homo sapiens

<400> 18028
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tactattctc atggtagtga ataagtctca tgagatctga tggttttatg tggggaaacc 120
ttttcaacttg gtcctcactc tctcttgtct gctgccatgt aagacatgcc ttttaccttc 180
catcatgatt gtgcggcctc cccgt 205

<210> 18029
<211> 122
<212> DNA
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<400> 18029
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acgggggttt accatgttga ccaggctggt cttgaactcc tgatctcagg caatccaccc 120
ag 122

<210> 18030
<211> 172
<212> DNA
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<400> 18030
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<210> 18031
<211> 328
<212> DNA
<213> Homo sapiens

<400> 18031
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atttaaaaaac aaacaaacaa atactggttt aggcyarrct tcttttttag aaaatcttat 180
tcgggtatca gtgtgggttt gatgtagcct agtgagttgc tgtytagatg ggaacttgag 240
aactctgcat tctgatggma caggccactg gctgggttgc ctgacttgct gtagaagtga 300
accctgagtt cctaatttaa gwtcttaa 328

<210> 18032
<211> 101
<212> DNA
<213> Homo sapiens

<400> 18032
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ccaagtggct gggactacac gcgcacacca ccacgcyak k 101

<210> 18033

<211> 132
 <212> DNA
 <213> Homo sapiens

<400> 18033
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<210> 18034
 <211> 146
 <212> DNA
 <213> Homo sapiens

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 cctgaaactc ctcatctctc tcgcc 146

<210> 18035
 <211> 104
 <212> DNA
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<400> 18035
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<210> 18036
 <211> 136
 <212> DNA
 <213> Homo sapiens

<400> 18036
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 gctgcgtccc ggagat 136

<210> 18037
 <211> 103
 <212> DNA
 <213> Homo sapiens

<400> 18037
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<210> 18038
 <211> 102
 <212> DNA
 <213> Homo sapiens

<400> 18038
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102

<210> 18039
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<212> DNA
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<400> 18039
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<210> 18040
<211> 66
<212> DNA
<213> Homo sapiens

<400> 18040
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aaaaaa 66

<210> 18041
<211> 112
<212> DNA
<213> Homo sapiens

<400> 18041
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<210> 18042
<211> 121
<212> DNA
<213> Homo sapiens

<400> 18042
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a 121

<210> 18043
<211> 114
<212> DNA
<213> Homo sapiens

<400> 18043
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tagtagaggc aggttttgcc atgttggcca ggctgggtctc gaactcctga ccac 114

<210> 18044
<211> 122
<212> DNA
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<400> 18044
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 aa 122

<210> 18045
 <211> 80
 <212> DNA
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<400> 18045
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 tagagcaccg aaaaccacga 80

<210> 18046
 <211> 104
 <212> DNA
 <213> Homo sapiens

<400> 18046
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 <213> Homo sapiens

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 ggcggctgga tcatttgagg ttaggagtkc gwgaccagcc tggccaacat ggtgaaaccc 180
 tgtctctact aaaactacaa aaattagctg agcatgggtg cgcattgctg tagttccggc 240
 tacttgggag gctgaggcgg gagaatcgct tggacctggg aggcggagggt tgcagtgagc 300
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 aaaaa 365

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 <211> 191
 <212> DNA
 <213> Homo sapiens

<400> 18048
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<400> 18049

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<210> 18050
 <211> 214
 <212> DNA
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<400> 18050
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 tattaaggcc gggcacagtg gctcaagcct gtra 214

<210> 18051
 <211> 115
 <212> DNA
 <213> Homo sapiens

<400> 18051
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<210> 18052
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 <212> DNA
 <213> Homo sapiens

<400> 18052
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<210> 18053
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 <212> DNA
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<400> 18053
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 aaaaaaaaaaaa aaa 133

<210> 18054
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<211> 201
 <212> DNA
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<210> 18056
 <211> 289
 <212> DNA
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<400> 18056
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 tgggcatggt ggcacatgcc tgtaatccca gctgcttggc tgtttgggta gccgaggcat 180
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<210> 18057
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 <212> DNA
 <213> Homo sapiens

<400> 18057
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 aaggatatga acagacactt ctcaaaggaa gacattttaca tggccaggaa acatgaaaaa 120
 aagctcaaca ttactaatca ttagagaaat gcaaatcaaa accacaatga gataccatcc 180
 ca 182

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 <212> DNA
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<400> 18058
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 atcaagacat ttgctgggag caaagacata ataactttac tggataaatt atacatttta 180
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 <212> DNA
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<400> 18059
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 gacaacctg cctggctaaa 140

<210> 18060
 <211> 137
 <212> DNA
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<400> 18060
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 agtggtttct gcttttgctt cttccacatt ttctcttgct gctgccatgt aagaagtgcc 120
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<210> 18061
 <211> 227
 <212> DNA
 <213> Homo sapiens

<400> 18061
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 gcctccgccc cttagtccca accctgccca ggaagaaggc cccgtggggc tttgcctgtg 180
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<210> 18062
 <211> 117
 <212> DNA
 <213> Homo sapiens

<400> 18062
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<210> 18063
 <211> 115
 <212> DNA
 <213> Homo sapiens

<400> 18063
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<210> 18064
 <211> 108
 <212> DNA
 <213> Homo sapiens

<400> 18064
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 gcaccacat gccagctaa tttttgtatt tttttagag atggggac 108

<210> 18065
 <211> 208
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<400> 18065

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 catgaatttt atctttcatg aacatttgat gagtaagtgt gggtgcccca gtaaagattc 120
 tggcttctctg caaaggataa ggtcagaagt actgtcctga tttatccttg atgtgttcat 180
 cacaggttct cttgtctaata ggccgcct 208

<210> 18066
 <211> 81
 <212> DNA
 <213> Homo sapiens

<400> 18066
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<210> 18067
 <211> 101
 <212> DNA
 <213> Homo sapiens

<400> 18067
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<210> 18068
 <211> 103
 <212> DNA
 <213> Homo sapiens

<400> 18068
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 cagggacatc tcaggggctg agttcttttt tttttttttt ttt 103

<210> 18069
 <211> 186
 <212> DNA
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<400> 18069
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 ggaaga 186

<210> 18070
 <211> 78
 <212> DNA
 <213> Homo sapiens

<400> 18070
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 cgtgcttttt tttttttt 78

<210> 18071
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<212> DNA
<213> Homo sapiens

<400> 18071
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ttagggttta tagtatttta acttatcaca gtttaccttc aagtgggtatt ataccacttt 120
acataaagta taggaacctt acaatagtat acttccatcc cccctcgc 168

<210> 18072
<211> 182
<212> DNA
<213> Homo sapiens

<400> 18072
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tccatgtgca caatgtgcag gttacgtatg tatacatgtg ccatactggg gtgctgcacc 120
cattaacttg tcatttacgt taggtatata tcccaatgct atccctcccc cctaccccca 180
ca 182

<210> 18073
<211> 116
<212> DNA
<213> Homo sapiens

<400> 18073
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cgttccccgt atgccttaat ctccccctcta ctctgaatgt tatcagagag ggcgat 116

<210> 18074
<211> 337
<212> DNA
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<400> 18074
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tttttgagtt tgggtctgctc tgatttcata tccatgtagt gtttatccag tattattctg 240
agtttttaag ttctaagttt gtgatgggcc ctcatgttta caattgcttg cttcatgttt 300
aattcttctt ggaatatatt ataataatac ctgccaa 337

<210> 18075
<211> 201
<212> DNA
<213> Homo sapiens

<400> 18075
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gagtdttgct gttgttgccc aagttggagt gcaatggat gatctcggct cactgtaacc 120
acctcccagg ttcaagcaat tctcctgtat cagcctccca agtaactggg attacaggcg 180
tgtgccacca tgcccggctt c 201

<210> 18076
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<212> DNA

<213> Homo sapiens

<400> 18076
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<210> 18077

<211> 403

<212> DNA

<213> Homo sapiens

<400> 18077
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 gaggttcaagt cctggatata cttattaacc ttctgactca ctgatttggt taatattgac 180
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 gttagctctt cttgttgaat tgatcccttt accattgtgt aatggccttg tctcttttga 360
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<210> 18078

<211> 184

<212> DNA

<213> Homo sapiens

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 aggagcttgc tcttacacag agtgcggag gtgattccag tgcagaccga ctcttcccac 180
 ctct 184

<210> 18079

<211> 392

<212> DNA

<213> Homo sapiens

<400> 18079
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 catatcactg gagcttgatc caatactcag tacatactga tgaataaatg ggtatgagtt 240
 ttttcaaaat taattgacat ttgtctcagat ctatactgaa atttattggt cctctatatc 300
 acaaaaagtc taccgggaga ggtggagggt gcagtgagct gagatcatgc cactgcactc 360
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<210> 18080

<211> 99

<212> DNA

<213> Homo sapiens

<400> 18080
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<210> 18081
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 <212> DNA
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<400> 18081
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<210> 18082
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 <212> DNA
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<400> 18082
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 ttgattttt tttttttttt 140

<210> 18083
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 <212> DNA
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 ctgacaactc aaagaccatc atcctgcccc agcacttgta caacatagag tctgagattg 180
 aggagtcaga ctacgattcg gtagaaggca gcaccagcgg ggcctcctcg gatgaatggg 240
 aagatgatag tgacagctgg gagacggaca atgggctggg ggaggacgag caccccaaga 300
 tagaggagcc cccatcccac ccct 324

<210> 18084
 <211> 102
 <212> DNA
 <213> Homo sapiens

<400> 18084
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<210> 18085
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 18085
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 caggagctct tgtaaggcag gcttgggtgt gacaaaatct ctcagcattt gcttgtctgt 120
 aaaggatttt atttctcctt cacttattaa gcttaatttg cctggatatg aaattctggg 180
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<210> 18086

<211> 133
<212> DNA
<213> Homo sapiens

<400> 18086
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tccaccttct cccgccactg ctgcctgccg taagaaatct gctgtcggcc tcaactgctga 120
ccatccagcg ttt 133

<210> 18087
<211> 353
<212> DNA
<213> Homo sapiens

<400> 18087
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tccaaggaga tacttgatat kattttgaat gtttttaatt tattgagact tgcttkatga 240
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<210> 18088
<211> 59
<212> DNA
<213> Homo sapiens

<400> 18088
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<210> 18089
<211> 107
<212> DNA
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<400> 18089
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<210> 18090
<211> 107
<212> DNA
<213> Homo sapiens

<400> 18090
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<211> 209
<212> DNA
<213> Homo sapiens

<400> 18091

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 <212> DNA
 <213> Homo sapiens

<400> 18092 60
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 <212> DNA
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 aatctgggag gttgaggctg cagtgagctg ttattttgcc actgcactcc agcctgggct 130
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<210> 18095
 <211> 222
 <212> DNA
 <213> Homo sapiens

<400> 18095 60
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<210> 18096
 <211> 200
 <212> DNA
 <213> Homo sapiens

<400> 18096 60
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tcattttttg atggctggat tgggaaatat agattgttaa aaatatataa atgtctcagt 180
tgaacatgta tgaagccgtg 200

<210> 18097
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<212> DNA
<213> Homo sapiens

<400> 18097
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tccaccacc tcggcctccc aaagtgtggt gattacaggt gtgagccacc acgtccggcc 120
tcgt 124

<210> 18098
<211> 114
<212> DNA
<213> Homo sapiens

<400> 18098
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<210> 18099
<211> 153
<212> DNA
<213> Homo sapiens

<400> 18099
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accacaacct ccgcctcctg ggttcaagcg attctcctgc ctcagcctcc cgagtagctg 120
ggattacagg tatgcaccac cacacctggc taa 153

<210> 18100
<211> 59
<212> DNA
<213> Homo sapiens

<400> 18100
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<210> 18101
<211> 251
<212> DNA
<213> Homo sapiens

<400> 18101
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<210> 18102
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<212> DNA
<213> Homo sapiens

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taatttacta gctttgggtt ttgtttgtt ttgatagcc catatgctat ttgctttatt 180
ataccttttt taaaagtaag tcagaagttt aggtttctca tgattaaatt ttagtattag 240
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<210> 18103
<211> 106
<212> DNA
<213> Homo sapiens

<400> 18103
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atggtaccat cctaagaaaa acaacacagt agccattacc accatc 106

<210> 18104
<211> 171
<212> DNA
<213> Homo sapiens

<400> 18104
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<210> 18105
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<212> DNA
<213> Homo sapiens

<400> 18105
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aaaggagact gagaaagagg tgccagtggg gtaggaagga aaacaggagt c 171

<210> 18106
<211> 223
<212> DNA
<213> Homo sapiens

<400> 18106
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ataatacctc cttgggtttgt tgagaggatg aagtgaagaa tgtaagcagc ccacatggca 180
tgagttgatg tacaaatatt atttatcttt ctctcctcct cga 223

<210> 18107
<211> 181
<212> DNA

<213> Homo sapiens

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aggctaattgt ttggatttgt agtagagaca aggttttgcc ttgttgcca ggctgggtctc 120
aaactcctga cctcaggtaa tctacctgcc ttggcctccc aaagtgtgag gattacaggc 180
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<210> 18108

<211> 169

<212> DNA

<213> Homo sapiens

<400> 18108
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agctgccgcc ccaggaatgt tacctgcctt gtgcggagcc cctgcagggc ccccttcggc 120
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<210> 18109

<211> 109

<212> DNA

<213> Homo sapiens

<400> 18109
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<210> 18110

<211> 125

<212> DNA

<213> Homo sapiens

<400> 18110
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gaaas 125

<210> 18111

<211> 266

<212> DNA

<213> Homo sapiens

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ctgtatatattg ctttgggtaa tgtgaacatc taaaaaatat taattcttcc aatccatgaa 180
ctcagggata tgttttcatt tgtgtwtww ttcctaattt ctttcatcaa tgttttatag 240
ttttcagtgt atacatgggc cccact 266

<210> 18112

<211> 155

<212> DNA

<213> Homo sapiens

<400> 18112
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ctgcctttga agcagcgccg gcgaccggga caaac 155

<210> 18113
<211> 309
<212> DNA
<213> Homo sapiens

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gcctcagcct cccaagtagc tgggattaca ggcattgcgc accatgcctg gctaattttg 180
tacttttagt agagatgggg tttctccatg ttggtccagt tggctttgaa ctcttaactt 240
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cccggccgc 309

<210> 18114
<211> 104
<212> DNA
<213> Homo sapiens

<400> 18114
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caagttcagt tttctgctta tggctagcca gtwtccccg cacc 104

<210> 18115
<211> 160
<212> DNA
<213> Homo sapiens

<400> 18115
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gcgtgtcatg ggggtttggg gtacasatta tttgtcacc caggtaatga gcatagtatc 120
tgataggtag tttttcaacc ctcatcctcc taccaccccc 160

<210> 18116
<211> 274
<212> DNA
<213> Homo sapiens

<400> 18116
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taaaccgtaa acacattgtc catcctgact tggagtgcac accaacaact gaagagctct 180
tctgcagact ttggcaacga gactacatat agcaggtcac agcagcacga gctcacatgg 240
aagactgaaa gcactgcgga ataacaccac ccct 274

<210> 18117
<211> 104
<212> DNA
<213> Homo sapiens

<400> 18117
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 gtgagctaag attgtgccac tgcactccag cctgtttcaa aaaa 104

<210> 18118
 <211> 175
 <212> DNA
 <213> Homo sapiens

<400> 18118
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 ctttgaagcg ctgaacaaga aatccaaaca gatcggcaga aaagcagcag awaagaaaag 120
 atcttctaag aaggaggctt cgatgaagaa agtggtgcgg ccccggaacc ccca 175

<210> 18119
 <211> 74
 <212> DNA
 <213> Homo sapiens

<400> 18119
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 cggggtttca ctgt 74

<210> 18120
 <211> 75
 <212> DNA
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<400> 18120
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 aaaaaaaaaa aaaaa 75

<210> 18121
 <211> 263
 <212> DNA
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 tttgaaacct ggagacttac tgatttcttg agctctagta aatgttcttt tctcatttaa 120
 ttgatcattt tctccattt gttgtctcct tacatcccca gggcattact attttgtagc 180
 tatggtattc aggaactgca ttttatattt ttttaacttt ttttctcata ctttctgtag 240
 taggcagaat aaagcccagc cct 263

<210> 18122
 <211> 216
 <212> DNA
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<400> 18122
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 cctggctcta tttttatttt tttgagayag agtcatgctc tgtcaccag gctggagtgc 180
 agtgggtgaaa tcttggctca ctgtagcccc cgccga 216

<210> 18123
 <211> 77
 <212> DNA
 <213> Homo sapiens

<400> 18123
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 aagagtaaag aaaaaaa 77

<210> 18124
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 <212> DNA
 <213> Homo sapiens

<400> 18124
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<210> 18125
 <211> 92
 <212> DNA
 <213> Homo sapiens

<400> 18125
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 agtgagctaa gattgtgcca ctgcactcca gc 92

<210> 18126
 <211> 175
 <212> DNA
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<400> 18126
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 actggttaaga tkwwaatcaa ggatgactag agactttgag gattactgag gcgga 175

<210> 18127
 <211> 242
 <212> DNA
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<400> 18127
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 aggtttgttt cataggtaar tatgtgccat ggtgggttgc tgcccctacc aaccatcac 180
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 ca 242

<210> 18128
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 <212> DNA
 <213> Homo sapiens

00513999-022400

<400> 18128
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 aagtctcctg aaatcaaaag ttattttaat aagagtgccg gctttaagag aaatgactgc 120
 tgcagatcat cactactctt catcttaacc ctgggccagg gcttccaagc tttgtctccc 180
 actgttccca cggtgattct tctgaag 208

<210> 18129
 <211> 156
 <212> DNA
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<400> 18129
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 ctaccactct cccagatgtg acccttgcca ttatttcctc tgagggttga gwtgaagat 120
 aagttggass gaaagmscag taactaatag gggays 156

<210> 18130
 <211> 115
 <212> DNA
 <213> Homo sapiens

<400> 18130
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<210> 18131
 <211> 53
 <212> DNA
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<400> 18131
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<210> 18132
 <211> 369
 <212> DNA
 <213> Homo sapiens

<400> 18132
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 cctttttagt gtgacctggc cttttctctc tggctaccct taacattttt ttctttcatt 180
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<210> 18133
 <211> 319
 <212> DNA
 <213> Homo sapiens

<400> 18133

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acatcccata	ttctcagcct	ttctgttggt	caagttttag	agtaagaact	attatagcag	180
tragactttc	tctctctgtc	tctctctctc	tctctcacac	acacacatac	acccacgcac	240
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tcacagcaac	cctaagggg					319

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 <212> DNA
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tggttagcctt	tttttatttt	tatttttattt	tttattttta	tactttaagt	tttagggtag	180
atgtgcacat	tgtgcagggt	agttacatat	gtatacatgt	gccatgctgg	tgtactgcac	240
ccactaactc	gtcatctagc	attaggtata	tctcccaaag	ctatccctcc	ccccwycccc	243
cwk						

<210> 18135
 <211> 253
 <212> DNA
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aaacatttat	ttgaaaggat	atctccctct	cttcaccagc	aagagaagga	ctaaatcgct	180
agagattctt	atccatgaag	aaggcatcaa	tttaaactctg	cacaacaaac	cttacctctt	240
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 <211> 257
 <212> DNA
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acccttgccc	ttcctttcct	ggccttgcat	cacatggtag	attgatctgg	atgcaaatac	180
tgtttctttt	cagcctatcg	attttgtaat	gctgaacacc	ccaatttccc	cgtgagccca	240
tccctcccaa	caccactctc	actgagtaag	tcaagacctt	gttcatccac	tgacaaaaat	257
tataggaggc	cgcagac					

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 <212> DNA
 <213> Homo sapiens

<400> 18137						60
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hgaagcaatc	aattatgttt	tattggaccc	atat			

<210> 18138
 <211> 215

<212> DNA
<213> Homo sapiens

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agaatctcac tacagcttag gtagcctccc caccaaccct tttcttgcc ttttctttgc
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120
180
215

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<212> DNA
<213> Homo sapiens

<400> 18139
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gatccttctg cctcaaccct ctgastagtt gggattacac gtgtgagcca ccacgcccgg
ccagatacct cctaacacag gcctctcccc gtcc 60
120
154

<210> 18140
<211> 292
<212> DNA
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ctggcgattt ccttcctttt taaggctaatt attcaattgt ctgtaaattc cacatttggc
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120
180
240
292

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<212> DNA
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ctgcactcca gcttgggtga casagtsaga ccctgtctca aaaagaaaa gagamagaga
gaaagattga gasakagc 60
120
180
198

<210> 18142
<211> 64
<212> DNA
<213> Homo sapiens

<400> 18142
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cttt 60
64

<210> 18143
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<212> DNA

<213> Homo sapiens

<400> 18143
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 ttataatcc tccattatta ttctgtgaga gtctaagtst ctttgtaggt ctctaaggac 120
 ttgctttatg aatctgggtg ctctgtatt gggttcataa agcaagnnct tagagaccta 180
 caaygagact wagactctca cagaataata atggaggatt 220

<210> 18144

<211> 158

<212> DNA

<213> Homo sapiens

<400> 18144
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 atttataaag aaaagaagtt taattggctc atggctct 158

<210> 18145

<211> 183

<212> DNA

<213> Homo sapiens

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 ttactgtgt wagccaggat ggtctccatc tccttacctc atgatccacc cgcctcggcc 180
 tcc 183

<210> 18146

<211> 244

<212> DNA

<213> Homo sapiens

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 tggcattaca ggtgcctgcc accatgcctg gctaattagt agaaacagga tctcaccatg 180
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<210> 18147

<211> 158

<212> DNA

<213> Homo sapiens

<400> 18147
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 tgaatgatcc ttacgatgty tgaacatgtt accggcaa 158

<210> 18148

<211> 119

<212> DNA

<213> Homo sapiens

<400> 18148
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<210> 18149

<211> 224

<212> DNA

<213> Homo sapiens

<400> 18149
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cccctgcaag ggtagagtca ggtgagagtc ccttggtgag tcatttgtac atcagtgtca 180
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<210> 18150

<211> 134

<212> DNA

<213> Homo sapiens

<400> 18150
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cgagagagac tccg 134

<210> 18151

<211> 114

<212> DNA

<213> Homo sapiens

<400> 18151
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ygagtgtgaa aatgcaatct cggcttacag ccgctcgcac ttccaggac cccc 114

<210> 18152

<211> 140

<212> DNA

<213> Homo sapiens

<400> 18152
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ggcacctgcc accgcgccga 140

<210> 18153

<211> 127

<212> DNA

<213> Homo sapiens

<400> 18153
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127

ccggcct

<210> 18154

<211> 221

<212> DNA

<213> Homo sapiens

<400> 18154
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 gattdgattc atgggggmag tttcccacat gctgtwcttg tgacagtga tgagyyatca 180
 caagatctga tggtttaaaa gtgttttgca gtccccaact a 221

<210> 18155

<211> 74

<212> DNA

<213> Homo sapiens

<400> 18155
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 tctttttttt tttt 74

<210> 18156

<211> 178

<212> DNA

<213> Homo sapiens

<400> 18156
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 ccaggaggca gaggctgtgg tgagctgaga tcatgccatt gcactccaac ctggacaa 178

<210> 18157

<211> 147

<212> DNA

<213> Homo sapiens

<400> 18157
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 cccagtgggc cttgtctaca accccgc 147

<210> 18158

<211> 147

<212> DNA

<213> Homo sapiens

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 ttctgaaaag cttccaagag atgttgcatg caaaagagct ctgtgtgcag aagatcacca 120
 agcatgaggc attattaagg gcaaacc 147

<210> 18159

<211> 202

<212> DNA
<213> Homo sapiens

<400> 18159
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gagaattttc aaatgttgaa acctgtatag catgttgtaa tctgtagtgt tatgaatacc 180
acataaattt agagacagcc aa 202

<210> 18160
<211> 118
<212> DNA
<213> Homo sapiens

<400> 18160
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<210> 18161
<211> 173
<212> DNA
<213> Homo sapiens

<400> 18161
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gattcttatc tgaaatttct caactttgaa agtacgkctc agagaattaa aatgcattta 120
aaaattttta aaatagtgtc gaccaaagag atcacatctg tacactggct ccc 173

<210> 18162
<211> 107
<212> DNA
<213> Homo sapiens

<400> 18162
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gctgatctgg ctggctaggc ggggtgtccc ttcttcctc accgctc 107

<210> 18163
<211> 133
<212> DNA
<213> Homo sapiens

<400> 18163
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aagtacttta atagtttact gatgacacga tgttgaaatt ctgtaacttg gccgggcacg 120
gtggctcacg cct 133

<210> 18164
<211> 177
<212> DNA
<213> Homo sapiens

<400> 18164
ttcaagacca gctgaccaa catggagaaa atgtctctac taaaaatata aaattagccg 60

ggcgtgatgg cgcattgctgt aatccccctca ggaggctgag gcagcagaat cgtttgaacc 120
caggaggcag aggctgtggt gagctgagat catgccattg cactccaacc tggacaa 177

<210> 18165
<211> 122
<212> DNA
<213> Homo sapiens

<400> 18165
tttaaaatag gcttttgact gggcatggwg gctcamgcct gtrgtcccg cactttgaga 60
tgctgaggca ggtgatcat ttgaggtcag gagttcgaga ccaacctagc caacatggtg 120
aa 122

<210> 18166
<211> 328
<212> DNA
<213> Homo sapiens

<400> 18166
ctctcaaata tagaacttga cccacccct tttgttgat attcctctcc cagtgcact 60
aaaattccag tctctcaggt cagaaacttt ataaacaatt cattcttctt tttccttcat 120
caccatatcc tcaatctctg atcattgcca tatttccttc aatatttctc tttttttatg 180
atttttaaaa ttacacttta aattctggga tacatgggca gaacgtgcag gtttggtaca 240
taggtatata catgccatgg tcgtttgctg catctatcaa cccatcatct acattaggtg 300
tttctcctaa tgctatvcct ccctagc 328

<210> 18167
<211> 111
<212> DNA
<213> Homo sapiens

<400> 18167
tgatcagttg acaaaaaattt tgtatcttga gacttatatt tgccatagaa gaaatgattc 60
agtatttgct aattcagtg tcatggcaac ttttttcgtt ttrwttttt t 111

<210> 18168
<211> 229
<212> DNA
<213> Homo sapiens

<400> 18168
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attccctcag cccttatttg tctgggagtc tttatctctc cttcattttt gaaggagagc 120
tttgctaggt atagtattcc tggttggcag attttttggg gtyykytct ttaaataat 180
ttttcactca gcactttgaa tatatcattc tactttctcc tggcctgta 229

<210> 18169
<211> 87
<212> DNA
<213> Homo sapiens

<400> 18169
ttctgtctgt ccwwctttct ctttctttct ctctctttct cttwwtctct cttttctttc 60
tctcttctct ctttctctct cttttct 87

<210> 18170
<211> 95
<212> DNA
<213> Homo sapiens

<400> 18170
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cnaccacacc catccattg cttttttttt ttttt 95

<210> 18171
<211> 192
<212> DNA
<213> Homo sapiens

<400> 18171
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gaggctctag aagtctgaga tcaagggtt ggcaggttg gttatttcta aggcctttct 120
ctatggcttg tagatggcct tctatctctg gtgttttcat gcggtctttt tcaactgtgtg 180
tgtgtgtgtg cg 192

<210> 18172
<211> 280
<212> DNA
<213> Homo sapiens

<400> 18172
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cagtcaccta ccttgaagga tttttctttt ttaaaaatca rcattttttt tckkckttt 120
ttttgaaaca gggctctcabt ctgtsgctca ggctagaggg cagtggcgtg atcatatctc 180
actgcagcct caacctcctg ggctcaagt atccacccac ctcagcctcc caagtagcag 240
gaactatgga catgcatctc cacactaatt ccctggctta 280

<210> 18173
<211> 130
<212> DNA
<213> Homo sapiens

<400> 18173
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ggctggggga attctggaat cccaggctct ctccctgtba cttccttct catgggcagt 120
gcatccgcca 130

<210> 18174
<211> 111
<212> DNA
<213> Homo sapiens

<400> 18174
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catttgagct gaggccttgaa ggggtgagtag gatttagatc acagagaaag g 111

<210> 18175
<211> 152

<212> DNA
<213> Homo sapiens

<400> 18175
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ttttgtttta tcaccagggc gggagtgcag tggcagaatc acagctcact acagcctcas 120
ccttccaagt tcaagcgatc ctcccacctc ga 152

<210> 18176
<211> 188
<212> DNA
<213> Homo sapiens

<400> 18176
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gtacatgtgc acattgtgca gtttagttac ctatgtatac atgtgccatg ctgggtgtgct 120
gcaccccytt aactcgtcat ttagcattag gtatatctcc taacgctatc cctccccctt 180
cccccaac 188

<210> 18177
<211> 94
<212> DNA
<213> Homo sapiens

<400> 18177
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tgtctcctaa ttctatccct ccccgcccc ccat 94

<210> 18178
<211> 129
<212> DNA
<213> Homo sapiens

<400> 18178
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acctcaatct acaccagagc ccagggagtc ccagaggcaa gtttcacaga attgtcaaatt 120
gatcccaca 129

<210> 18179
<211> 236
<212> DNA
<213> Homo sapiens

<400> 18179
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acttttacct gcaacttttg tatgtgtatg agtgcattga tgcataattt tactgggtgc 120
tttagggttt atagtacaca tcttcaatct attatagttt atcttcaagt gagatgatac 180
cacttcatgt atagtataag gaccttgtaa cagtatagat ccatttcctc ccttcg 236

<210> 18180
<211> 195
<212> DNA
<213> Homo sapiens

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 tctccgggttc tctttcccta gcaccttctc ttgctgcttg ccttgctctc cctcaaccca 120
 gtttcgctaa ctgaagggtc tgttttctgc tatgtgataa cagaacactg gatattagtg 180
 attttcccag gcaac 195

<210> 18181
 <211> 308
 <212> DNA
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<400> 18181
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 ttttttcttt ttttatttta ttttatttta ttattattat actttaagtt ttaggggtaca 180
 tgtgcacaat gtgcagggtta gttacatatg tatacatgtg ccatgctggt gtgctgcacc 240
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 accccgat 308

<210> 18182
 <211> 76
 <212> DNA
 <213> Homo sapiens

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 tcaatgacca gtccag 76

<210> 18183
 <211> 171
 <212> DNA
 <213> Homo sapiens

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 ttgagactaa aatagcgttg agggaaatga aattgctgga ctatttgagg ctccctgagtt 120
 gagtsatttt ggtgaaagaa agcacatcca aagcatagtt tacctcccca c 171

<210> 18184
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 18184
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 agataccaga catatgatat tatgtatctt gtattttaat agataattta tcttgtagat 120
 tttttatgtc agttcattta gagccctcat tatttttagc agttgcacag tatcccatag 180
 catgaatatt tcatgattta cttaatatct tccactaat ggacagaaat ttagtagcagct 240
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<210> 18185
 <211> 167
 <212> DNA
 <213> Homo sapiens

004220"066E1560

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 cacctccatc ctgggtggca gacaakactc catctcaaaa aaaaaaa 167

<210> 18186
 <211> 267
 <212> DNA
 <213> Homo sapiens

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 ccctatagga gaccccatgg ctgtgcttag gadgaggact gctggcaatc acgaaagatt 180
 ttagggaggg gacagtattt gagttggatt ttgagtgatg ttgggcatg cgggctgagg 240
 acattttggg tactgagtac agacatg 267

<210> 18187
 <211> 126
 <212> DNA
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<400> 18187
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 cngcca 126

<210> 18188
 <211> 79
 <212> DNA
 <213> Homo sapiens

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 aatttttagg taggcaggtt tgtagttttt cttttggcctt tgtgtttttt tgttgttttt 60
 ttttcatctt cctcagccc 79

<210> 18189
 <211> 110
 <212> DNA
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 <211> 212
 <212> DNA
 <213> Homo sapiens

<400> 18190
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 ctcgggaggc tgaggcagga gaatggcgtg aacctgggag gcggagcttg caatgagccg 120

agatcacgcc amtgcactcc agcctgggcg acagagcgag actccgtctc aaaaaaaaaa 180
aaawtttttt ttaaaaagaw tkyccccc ar 212

<210> 18191
<211> 121
<212> DNA
<213> Homo sapiens

<400> 18191
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atggcatgaw ctcagctcag ctactgcaa cttctgcctc ccaggttcaa gcgattctcc 120
t 121

<210> 18192
<211> 111
<212> DNA
<213> Homo sapiens

<400> 18192
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tagctgggca tgggtggcgg cgcctgtagt mccagctact gggggggctg a 111

<210> 18193
<211> 122
<212> DNA
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<400> 18193
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tgctgaggca ggtggatcat ttgaggwmag gagtwcgaga ccaacctagc caacatggtg 120
aa 122

<210> 18194
<211> 71
<212> DNA
<213> Homo sapiens

<400> 18194
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atggtggttt t 71

<210> 18195
<211> 168
<212> DNA
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<400> 18195
gcctgtgcaa catagcaaga ccttgtctct acagaaaaat taaaaattag ccaggtgtgg 60
ttgtttgtgc ctatagtcgt agctatcaat ggtcactgca gccttgaact cctgggatca 120
cgtgacctc acamctcagc ttccaagta gctacgacta taggcaca 168

<210> 18196
<211> 161
<212> DNA

004320" 666ET560

[illegible]

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<211> 93
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<212> DNA
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6313

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 cgc 183

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 <212> DNA
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 caattttgaa acagcatgag gctgggctga gtgcctcac 159

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 <212> DNA
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 tgctgatgtc tctgagccca gaggtccca tggggctggg acccaaacct tggagaatga 120
 ggcgctgctc agcgttgctg gtgctctggc tgggtacaga aaagctggtt ctgtgagtat 180
 taataagaaa aacaagcaac cccccactcc cgggcta 217

<210> 18206
 <211> 138
 <212> DNA
 <213> Homo sapiens

<400> 18206
 tvccagamca ctcacattca catgttcctc tgggagtagg gataagtctc attctctaca 60
 catgggatgg tgtataccca aatamaatca gggggcaagg gtagagaaga atggctgttc 120
 tgtttttttt tgttttgt 138

<210> 18207
 <211> 153

<212> DNA
<213> Homo sapiens

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aagattgctt gagccagga ggcagagggt gcagtaagcc aagattgcgc cactgcactc 120
carcctgggt gaaagagtga aactcccgcc tac 153

<210> 18208
<211> 87
<212> DNA
<213> Homo sapiens

<400> 18208
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acgaggttag cgatccgaaa tcgagat 87

<210> 18209
<211> 168
<212> DNA
<213> Homo sapiens

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gtaattaaag tgtctgaatt gwtggcaga aaaatggag atgccagcc tgaaatgttt 120
gacaaggtag ttttattaca ttgtgacaaa ctgatggacg cccagtct 168

<210> 18210
<211> 87
<212> DNA
<213> Homo sapiens

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aagggatctg cctgggtct gccatcg 87

<210> 18211
<211> 186
<212> DNA
<213> Homo sapiens

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atcttttctt tggtttattt tccttccww rgtgcctgct tggctgaatc agatagtgtt 120
ttcatataaa gaacctacag tcttggtaat gggatatataa tctgttgttt taggagagac 180
cttgac 186

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<211> 176
<212> DNA
<213> Homo sapiens

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gcgcagtggtg aatgtatgta ctgtgttgaa gtatgcatgt aaatgaataa acaatatgta 120
tagacacagg tacttccmtg tggctgattg tggakacaa ratctgcca ggtgcc 176

<210> 18213
<211> 182
<212> DNA
<213> Homo sapiens

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cacacaaccc cccgagaggt gagcagtgct tgctactgct ttccacagat gaggaatgg 120
ggaagtggag gaaggagtgg ctgccccagg gcacttcact agataagatg tgtgaatggc 180
at 182

<210> 18214
<211> 119
<212> DNA
<213> Homo sapiens

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actatgatct ttattttkaa atagcattaa aacagcstga attgaacaaa gccccaca 119

<210> 18215
<211> 108
<212> DNA
<213> Homo sapiens

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cctccccagt aacttaaatt acaggcacgc actaccacgc gtggcttt 108

<210> 18216
<211> 314
<212> DNA
<213> Homo sapiens

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agcatccaaa ttggaaagga agaagtaaaa ttatccttat ttgaagatga tatgagcttt 120
tatttgaaa aacctaaaga cgccacaaa aactattagg actggtaaac aaatttggtg 180
aagtttcagg attcaaaatc aacatacaaa tctcagtaac atctctatat gcaaacagtg 240
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aaatacctag gaat 314

<210> 18217
<211> 152
<212> DNA
<213> Homo sapiens

<400> 18217
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agtcttgctc tgtcacacag gctggagtgt agtgggtgcaa tcttgggtca ctgcaacatc 120
cgcctcccag gttcaatcaa ttctcccgt gt 152

004399-0340

<210> 18218
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 <212> DNA
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<400> 18218
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 aacatcaaac aagaaaaaaa gcagagtccg actctggtgc cttagtgaac gcagaaaagc 120
 ctcacagatc agatttacag taagccagag aaactcatct ccacaccacc 170

<210> 18219
 <211> 157
 <212> DNA
 <213> Homo sapiens

<400> 18219
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 taaaccacca caccagcac cccctcgccc acttttt 157

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 araatacaaa aattagccaa gtatggtggc acacgtctgt aatcccagct acttgggagg 180
 ctgaggtagg agaattgctt gaaccagga ggtggagggt gcagtgaact gaggtcgtgc 240
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<210> 18221
 <211> 121
 <212> DNA
 <213> Homo sapiens

<400> 18221
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 tggccaacat ggtgaaacc tgtctctact aaaaatacaa aaattagccg ggcattggtg 120
 c 121

<210> 18222
 <211> 101
 <212> DNA
 <213> Homo sapiens

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<210> 18223
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004220" 66666666

<212> DNA
<213> Homo sapiens

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<210> 18224
<211> 185
<212> DNA
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<400> 18224
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aatactatgt agtatgttgt gatttttcat gttagctcag atgacctcg gtttataaag 120
tctccctgat aattttgaca gtcatgtgac cctgttcctt cttcactctc attcttcccc 180
cttaa 185

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<212> DNA
<213> Homo sapiens

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agagcaacct gtgcattttc acaggattgg atgtagcttt ataaagacaa aatgaaagt 120
tttaaaaaga acctaatttt cggaca 146

<210> 18226
<211> 88
<212> DNA
<213> Homo sapiens

<400> 18226
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cctaggcaac rtagtgagac cctgtctc 88

<210> 18227
<211> 165
<212> DNA
<213> Homo sapiens

<400> 18227
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aagcttggtt gtttcatttc cactttttgg ctccaactga gaagagaatt ccaaataact 120
actctttgaa gagaaattaa cagccaagtc tcacccctc cccaa 165

<210> 18228
<211> 81
<212> DNA
<213> Homo sapiens

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81

<210> 18229

<211> 208

<212> DNA

<213> Homo sapiens

<400> 18229

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gctcacagtt	ctgcaggctg	ttcaggaagc	ataggacttc	tggggaggcc	ttcggaaact	180
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<210> 18230

<211> 206

<212> DNA

<213> Homo sapiens

<400> 18230

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ctcaactaat	tcccctgctt	kgtttaccaa	agagctggga	ttmcagggtg	gagccaccat	180
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<210> 18231

<211> 192

<212> DNA

<213> Homo sapiens

<400> 18231

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tttgctgcac	tcataaccc	gtcatctaca	ttaggttttt	ctcctaatagc	tatccctccc	180
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<210> 18232

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<212> DNA

<213> Homo sapiens

<400> 18232

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<210> 18233

<211> 214

<212> DNA

<213> Homo sapiens

<400> 18233

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taatcagtcc	cagtgcagtg	aactgggtac	ctcagttgga	aatgcagaaa	tcacccacct	180
tctgcattgg	tcttgctggg	agctgcagac	cggc			214

<210> 18234
<211> 107
<212> DNA
<213> Homo sapiens

<400> 18234
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cacactgtca tccacaatgg tggaactaat tcacactccc accaacg 107

<210> 18235
<211> 111
<212> DNA
<213> Homo sapiens

<400> 18235
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<210> 18236
<211> 102
<212> DNA
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<400> 18236
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<210> 18237
<211> 195
<212> DNA
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<400> 18237
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aatgctaaat gacgagttaa tgggtacagc acaccagcat ggcacatgta tacatatgta 180
actaacctgc acatt 195

<210> 18238
<211> 158
<212> DNA
<213> Homo sapiens

<400> 18238
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tggagtgaat gaaggagccc catgatctca tctccttgct tcaacagctc attggcaaatt 120
tcatttatta gttcttcaaa ccaccccccc cccccccc 158

<210> 18239
<211> 129
<212> DNA
<213> Homo sapiens

<400> 18239
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aagccaagat cgcaccattg cattccagcc taggcgacag agcaagactc tgtctcaaaa 120
aaaaaaaga 129

<210> 18240
<211> 133
<212> DNA
<213> Homo sapiens

<400> 18240
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gtcttgctct gttgccaggc tggagtgcag tggcacaatc tcggctcact gcaaactcca 120
cctcccgggt ata 133

<210> 18241
<211> 112
<212> DNA
<213> Homo sapiens

<400> 18241
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gggatcgcgc tgctgtactc cagcctgggt gacaaagcra gaatctgtct ca 112

<210> 18242
<211> 113
<212> DNA
<213> Homo sapiens

<400> 18242
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cctcagcctc ctgagtatct gggattacag gtgktgcca ccatgcccg cta 113

<210> 18243
<211> 232
<212> DNA
<213> Homo sapiens

<400> 18243
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tgaggcsrga gaggaagcca agggccagggt gacactcagg accttgaatg ct 232

<210> 18244
<211> 97
<212> DNA
<213> Homo sapiens

<400> 18244
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tgvgaggagg ataaggaggw aactaagatc agccaaa 97

<210> 18245

<211> 112
 <212> DNA
 <213> Homo sapiens

<400> 18245
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<210> 18246
 <211> 82
 <212> DNA
 <213> Homo sapiens

<400> 18246
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 tagagcaccg aaaaccacga gg 82

<210> 18247
 <211> 106
 <212> DNA
 <213> Homo sapiens

<400> 18247
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 tgcattaggt attgtccta atgctatccc tccccctgcc ccccat 106

<210> 18248
 <211> 271
 <212> DNA
 <213> Homo sapiens

<400> 18248
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 gcttttggtt ggaaatggaa gtttgggagg agtccccacc acatagctgg cggctgaggc 180
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 aagtaagggt tgctcctcac acggagggtgc g 271

<210> 18249
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 <212> DNA
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<400> 18249
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 gctaactggc ttccctgataa atcttgtggc cgggcttc 338

<210> 18250
 <211> 87
 <212> DNA

<213> Homo sapiens

<400> 18250
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aaatagtttt ttattttttt tttttga 87

<210> 18251
<211> 102
<212> DNA
<213> Homo sapiens

<400> 18251
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ttctttttct tttctttttt ctttcttttt tttttttttt tt 102

<210> 18252
<211> 165
<212> DNA
<213> Homo sapiens

<400> 18252
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gttgaggcca aggtgggagg atctcttgag cccaggagtt tgagaccagc ctaggcaaca 120
cagggaaact tcatcactac aaaaaaaaaa aaaaaaaaaa aaaaa 165

<210> 18253
<211> 168
<212> DNA
<213> Homo sapiens

<400> 18253
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gaaaaaagaa tgtagatatt agattgattc acctaatgtc aaaatagtct aagaagcaat 120
atactcttat aagtcttggg cccagttttt ttgtccttga attttttt 168

<210> 18254
<211> 149
<212> DNA
<213> Homo sapiens

<400> 18254
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tggaattaac cggaatagra tggaatggaa tggaatggaa cggaatggaa tggaatggaa 120
gggaatggaa tcaacacgag tacaggggt 149

<210> 18255
<211> 188
<212> DNA
<213> Homo sapiens

<400> 18255
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gccatggaaa aactccatgg gcatgtgtct gccatccag acatcctctc cttggagAAC 120
cgggtgcctgg ctatgckbnc tgacttacag cccttgagaa aactacatca gcatgtatct 180

accactc

188

<210> 18256

<211> 150

<212> DNA

<213> Homo sapiens

<400> 18256

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gcgggagaat cgcttgaacc cgggaggcgg accactgcac tccagcagag tgagactccc 120
tccccaaaaa aaagaatcca tctatcctgt 150

<210> 18257

<211> 221

<212> DNA

<213> Homo sapiens

<400> 18257

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tttgggtccca gtgcttaagg aatttgtaga ttgttaagtt atgcagtata catgtatatg 120
aggatttatt cctagaactt caagtatgaa tgtacgaatg tatgttttta ttctcatttt 180
aatggatatg tagtttagtt ttcttttttt ttttttttt t 221

<210> 18258

<211> 86

<212> DNA

<213> Homo sapiens

<400> 18258

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agaatcgctt gaaccagga ggcggg 86

<210> 18259

<211> 138

<212> DNA

<213> Homo sapiens

<400> 18259

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ctggatataa acaccttggtg aatttcttct cccttggcac ttttaaattc tgttacaacr 120
aactcccca caccctccc 138

<210> 18260

<211> 146

<212> DNA

<213> Homo sapiens

<400> 18260

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tctgcaaatg gacaatttga ctctctttt cctatctgga tgctttttat ttctctctct 120
tgcttgattt atttggttag gatttt 146

<210> 18261

<211> 166

<212> DNA
<213> Homo sapiens

<400> 18261
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ataatcatat agacttgggt ttcttttttc tttttttttt tttttt 166

<210> 18262
<211> 102
<212> DNA
<213> Homo sapiens

<400> 18262
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tgtcacaaca agcatatgaa ctttactctt tttttttttt tt 102

<210> 18263
<211> 225
<212> DNA
<213> Homo sapiens

<400> 18263
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tctaaaaaat agtctattaa atttttaagt caattaaaaat tataaataaa agattttaat 120
gaagcagtga ggtttatata aaacatctta tacttacaag agcctatttt aagctgctca 180
cttaacttca gttatgtaaa aaaactacac actttagcac cccac 225

<210> 18264
<211> 94
<212> DNA
<213> Homo sapiens

<400> 18264
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cttttatagg attctttttt tttttttttt tttt 94

<210> 18265
<211> 229
<212> DNA
<213> Homo sapiens

<400> 18265
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tttacttcaa aaataattaa cagttaattt aaaacatttt attataattg catactagta 120
ttagaragtt taggacgtgt ggaagggttt aaaactggtg gtatatcatt aatattttct 180
cattacatca maatattctc tggatatatt caagtgattt gggacaagc 229

<210> 18266
<211> 99
<212> DNA
<213> Homo sapiens

<400> 18266

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gctgatctgg ctggctaggc ggggtgcccc tccctcccg 99

<210> 18267
<211> 229
<212> DNA
<213> Homo sapiens

<400> 18267
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ttaattatta ttatkattat tttagatatg agtctcactc tgtcacccag gctgragtgc 120
agtggcacga tctcggtcga ctgcaacctc tgmctcctgc attcaagtga twtcatgcg 180
tcagcttctt gagtagctag gattacaggc acctgccatc acaccagc 229

<210> 18268
<211> 179
<212> DNA
<213> Homo sapiens

<400> 18268
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atgtcctgaa tggattggc cagggtttct tctaggattt ttatggacct aggtcttaac 120
gtttaagtct ttgatccatc ttgagttgat tttctataa ggtgtaagga aggggtcca 179

<210> 18269
<211> 119
<212> DNA
<213> Homo sapiens

<400> 18269
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aagactcccg agtagctggg attacagggtg cccaccacca cgcccagcta atttttttt 119

<210> 18270
<211> 212
<212> DNA
<213> Homo sapiens

<400> 18270
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ccgcgcggcc aggcgggagt catggatgta gatgctgaaa gagagaagat aacacaggag 120
atcaaggagc tggaaaggat tttagatccc ggctcctcgg gctcccacgt ggagatctca 180
gaatcaagtc tcgagtcagg ttctgaagca ga 212

<210> 18271
<211> 274
<212> DNA
<213> Homo sapiens

<400> 18271
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gtgaacacat ggatgtccc attcaccct catcagtcag tgaccgtgtg acctccgcac 120
agctgtaact gtccacagac tctgtcgtct caattgtgag agtcatatgc ccacaagatt 180
atgttctgtg tctttgtagt tgttctgtgt ttgaaatga tatgtatctt cttaacacag 240

tggaatggaca gaaatgtatt tccttccac ccaa

274

<210> 18272
<211> 130
<212> DNA
<213> Homo sapiens

<400> 18272
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tctactaaaa aatgcaaaga ttagctgggc gtggtggtgc acgcctgtgg tctcagctgc 120
tcgggtggcg 130

<210> 18273
<211> 166
<212> DNA
<213> Homo sapiens

<400> 18273
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ttagatatgc cagaagaaag aaccaccttg aagaattaat aaggaatggt caacatggtt 120
atgacttttg tctgttcttg atatttttgc tgacttttgc aagggg 166

<210> 18274
<211> 187
<212> DNA
<213> Homo sapiens

<400> 18274
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tactcttagt agagacaaga tttcgccatg ttagccaggc tggctctgaa ctccctgacct 120
caggtgatct gccagcctca gcctccaac atgctaggat tacaggtgta agccaccgcg 180
cccagga 187

<210> 18275
<211> 237
<212> DNA
<213> Homo sapiens

<400> 18275
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tgtgagatgg tatctaattg tgggtttgat tagcatttct ctaatgacta gtgatgatga 120
gcttttkwtc awatgtttgt tgtctgcata aatgtcttct tttgagacgt gtctgttgat 180
atcctttgcc cactgtttga tgaagttttt tgtttatttg ttgtaaattt gtttgag 237

<210> 18276
<211> 209
<212> DNA
<213> Homo sapiens

<400> 18276
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gataaattga agttttaata gactggggct acatttggtg ctccagggtc ctgaagatca 120
ttatttttag tbhyacttaa attcrcacac acatgcatac acacacacac acacaccaga 180
tgccagtgtg aaaaatggga gggggggtc 209

<210> 18277
 <211> 195
 <212> DNA
 <213> Homo sapiens

<400> 18277
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 atctcctgac ctctgatcc gcctgcctcg gctcccaaa gtgctgggat tacaggcgtg 180
 ascactgccc cacga 195

<210> 18278
 <211> 228
 <212> DNA
 <213> Homo sapiens

<400> 18278
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 attccctcag cccttatttg tctgggagtc tttatctctc cttcattttt gaaaggagag 120
 ctttgctagg tatagtattc ctgggtggca gatttttttg tgtttttttt taaatatatt 180
 tttcactcag cactttgaat atatcattct actttctcct ggctgta 228

<210> 18279
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 <212> DNA
 <213> Homo sapiens

<400> 18279
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 cgagtttttg ggaagggaca gcagagttga cttcatcacc gataaattgt acctcgwggg 120
 ccgagcaact 130

<210> 18280
 <211> 282
 <212> DNA
 <213> Homo sapiens

<400> 18280
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 ggatcacctg aggtcaggag ttccagactg gtctggccag catggtgaaa ccccgctcc 180
 actaaaaaca caaaaattmv tctgggtgtg gtggctcaca cctgtaatcc cggcacttg 240
 ggaggctgag gcaggaggac tgcttgaggc caggagtttg ac 282

<210> 18281
 <211> 212
 <212> DNA
 <213> Homo sapiens

<400> 18281
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 aagtattct tccacctcag cctcctgtgt agctgggatt acagatgctc ascavccag 120
 cctgggctaa tttttgtatt tttagtagag acggttttgc catgttgaggc aggctggct 180

caaactcctg acctcaggtg atccgcctgc ca

212

<210> 18282
<211> 244
<212> DNA
<213> Homo sapiens

<400> 18282
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ggctgctggg ggcattccac aaccaraac agtgaccag aggttttact ggtgggwtc 120
aactttgcca agcttatgta gattactctt agatttaagc agacagtttt atagaggaac 180
taagaaaaaa atggaagctc tcttgataaa aagtctgatt ttccctgagt accaaaacag 240
cgga 244

<210> 18283
<211> 205
<212> DNA
<213> Homo sapiens

<400> 18283
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atgccagct gatttttgta tttttagtag agacggggtt gtgccatatg ggccaggctg 120
gtctcgaact cctgacctca agtgatctgc ctgacctggc ctcccaaagt gctgggatta 180
taggcatgag tcaactgtgc cagcc 205

<210> 18284
<211> 362
<212> DNA
<213> Homo sapiens

<400> 18284
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ggccgggcat ggtggtacgc gcctgtagtc ccggctactt cggaggctga ggccggagaa 180
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ag 362

<210> 18285
<211> 238
<212> DNA
<213> Homo sapiens

<400> 18285
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gtgtgagatg gtatctaatt gtggttttga ttagcatttc tctaatactg agtgatgatg 120
agcttttttt catatgtttg ttgtctgcat aaatgtcttc ttttgagacg tgtctgttga 180
tactctttgc ccactgtttg atgaagtttt ttgtttatatt gttgtaaatt tgtttgag 238

<210> 18286
<211> 144
<212> DNA
<213> Homo sapiens

<400> 18286
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gcntccctgg ttcaagcaat tcthtctgctt cagcctcctg agcagctgag attacaggca 120
tgagccacca tgccttgcta tttt 144

<210> 18287
<211> 198
<212> DNA
<213> Homo sapiens

<400> 18287
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tggaagaaa gacaacaaaa aacagatatg cagtatgcag caaaagtata ccgtgaatga 120
tcgactccga aggaaggcag atgccttgag catggacaac ataatgaaac cccatctctc 180
tcaaaaaaaaa aaaaaaaaa 198

<210> 18288
<211> 141
<212> DNA
<213> Homo sapiens

<400> 18288
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gttttaaagt aacatacagag ataacttttt atgaagagca acaaagggtc attgtcatga 120
cacacatttg agaggagagg t 141

<210> 18289
<211> 137
<212> DNA
<213> Homo sapiens

<400> 18289
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ttaacactac tgtacca 137

<210> 18290
<211> 93
<212> DNA
<213> Homo sapiens

<400> 18290
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tgagccacc atgccgcct ttttttttt ttt 93

<210> 18291
<211> 354
<212> DNA
<213> Homo sapiens

<400> 18291
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catggtgagg	ccccatctct	actggggata	caaaaatttc	tctggcctgg	tggcgggcac	180
ctgtaattcc	agctatttgg	gagactgaag	caggagagtc	gtttgaaccc	gggagcagag	240
gttgcagdda	ctcaggattg	catcactgca	ctccagcttg	ggtgamagag	caagactccg	300
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<210> 18292
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 <212> DNA
 <213> Homo sapiens

<400> 18292						60
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agagttccag	ttttatcaga	gcagatgggtg	gacgtggacc	ccaaggaaaa	actgcttagt	126
gaagaa						

<210> 18293
 <211> 138
 <212> DNA
 <213> Homo sapiens

<400> 18293						60
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taggtgcacc	ccactatacc	tggttaattt	ttatattggt	ttttagagaga	tggtattttg	138
ctatgttgcc	caggcttt					

<210> 18294
 <211> 151
 <212> DNA
 <213> Homo sapiens

<400> 18294						60
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<210> 18295
 <211> 316
 <212> DNA
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<400> 18295						60
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gggcggaagc	catcacctgg	atgcctacgt	gggaagggac	ctcgaatgtg	ggaccccagc	240
ccctctccag	ctcgaaatcc	ctccacagcc	acgggggacac	cctgcaccta	ttcccacggg	300
acaggctgga	cccagagact	ctggaccccg	ggcctcccct	tgagtagaga	cccgcctct	316
gactgatgga	caccgc					

<210> 18296
 <211> 88
 <212> DNA
 <213> Homo sapiens

<400> 18296

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atctcctgac ctcaagtgat ctgcccgc 88

<210> 18297
<211> 125
<212> DNA
<213> Homo sapiens

<400> 18297
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gcatt 125

<210> 18298
<211> 341
<212> DNA
<213> Homo sapiens

<400> 18298
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gatttttttt tggcctatgt taatcaagga tattggctca tagttttctt ttatcatcgt 180
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tccctcatct tcagtttctg ggaatagttt cagtagtatt ggwacagttt ttctttgtgt 300
gtctggtaga atttggtctg atcabwntgg tccagggcta c 341

<210> 18299
<211> 307
<212> DNA
<213> Homo sapiens

<400> 18299
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gtgaatttwt ttaaatactg aagagatcca tttggtagg gtgtagacag tcacagaata 120
ccaccactgt cactgtaatg ttaaaggaaac atcatgaagc ctatgaaatc ctatcttttc 180
acctattaaa gagttgagga tgcagagaag ttgaggctgt tggctgcttt catcctccag 240
ccaaatttgw catgctgcar gggcaagcac aatggattga aatcaagaga agccacagat 300
gcagaga 307

<210> 18300
<211> 149
<212> DNA
<213> Homo sapiens

<400> 18300
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aaaattactc ataatcccag aacgcagtca tatgtattt ttagtcttat tttattcagc 120
catttttctc tttactactaa ctttttttt 149

<210> 18301
<211> 165
<212> DNA
<213> Homo sapiens

<400> 18301
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 aggagaatcc cttcaacccg ggaggtggag gttgcagtaa gtcaagatgg caccactgtg 120
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<210> 18302
 <211> 51
 <212> DNA
 <213> Homo sapiens

<400> 18302
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<210> 18303
 <211> 109
 <212> DNA
 <213> Homo sapiens

<400> 18303
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 tctcaaaaaa tcaccacctt taatactccc cggcctgcac acaccacc 109

<210> 18304
 <211> 265
 <212> DNA
 <213> Homo sapiens

<400> 18304
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 akctvtagtc aaaccacagc ggagagaata atcgaatgaa aactgaagct ttctgcttta 120
 ttctttttct ctttctcctt tcagtcagga atttagataa tgggctgtgt gcaatgtaag 180
 gataaagarg caacaaaacw racggaggag agggacggca gcctgaacca gagctctggg 240
 taccgctatg gmatagaccc ccgag 265

<210> 18305
 <211> 159
 <212> DNA
 <213> Homo sapiens

<400> 18305
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 gcaattctct gatgggttaga gatgtgagca cattttcaca tatttcttga ccatttttat 120
 gtcttcttag ggaaatgtct attcagatca ttgcat 159

<210> 18306
 <211> 60
 <212> DNA
 <213> Homo sapiens

<400> 18306
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<210> 18307
 <211> 61

<212> DNA
<213> Homo sapiens

<400> 18307
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a 61

<210> 18308
<211> 183
<212> DNA
<213> Homo sapiens

<400> 18308
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gatgtttcct cacagwgara ctcagggttaa gtgtttttgg cagggttac gcagaagcga 120
tctgtgtctg tgtcaatgca tcctagcaag ggcacatgat ggcgatttat accttttttt 180
ttt 183

<210> 18309
<211> 160
<212> DNA
<213> Homo sapiens

<400> 18309
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tgataaactg gattaagaaa atgtggcaca tatatatcat ggaatactac gcagccataa 120
aaaaggatga gttcacgtcc ttaacaggga tatgaatgaa 160

<210> 18310
<211> 204
<212> DNA
<213> Homo sapiens

<400> 18310
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ggtcacttca ttctggacac agttggatca atactgatta agtagaaaat ccaagctttg 120
cttgagaact tttgtaacgt ggagagtaaa aagtatcggt tttattcttt gctgatgtcc 180
tttctgcttg aaataacagt caca 204

<210> 18311
<211> 258
<212> DNA
<213> Homo sapiens

<400> 18311
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gatagttaac cctatgagat cccgataggaa ctgtgattgc nattggacag atgaagaaat 120
gaagaccag accggggtag catctgatca ctcatattgc aatccaggat tgcgattaag 180
tgctgatccc cttttttttg gtgggtggtta aattttcata ggactttatt agtgaagtga 240
tttaagagtc aatccact 258

<210> 18312
<211> 170
<212> DNA

<213> Homo sapiens

<400> 18312
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ggacgggaga gttgattgag cccgggagac ggaggttgca gtgggccagg atccccactg 120
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<210> 18313

<211> 216

<212> DNA

<213> Homo sapiens

<400> 18313
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ccacggccgg ctaatttttg tatttttctt ttttttaaat ggagacggga tttcaccgtg 120
ttagccaggc atggttgctc acacgtgtaa tccaacact ttgggaggcc aaggtgggag 180
gatcgcttgg cccaggagtt tgagaccagg ctggca 216

<210> 18314

<211> 242

<212> DNA

<213> Homo sapiens

<400> 18314
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agagtcccca tccctacaaa aaagaaaaat aaaaaattag ccaggcctgg tggttcatac 180
ctgtgggtccc agctactggg gaggctaagg ccggaggatc ctttgagccc aggaggttga 240
gg 242

<210> 18315

<211> 168

<212> DNA

<213> Homo sapiens

<400> 18315
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atagcttccg ggagaagggtt ttccggaaga aacctccagt ctgtgcagta tgtaagggtga 120
ccatcgatgg gacaggcgtt tcgtgcagag tctgcaaggc ggcgacag 168

<210> 18316

<211> 197

<212> DNA

<213> Homo sapiens

<400> 18316
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tttctacaga gagatcagct gttagtctga tgggcttccc ttcgtgggta acccaacctt 180
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<210> 18317

<211> 200

<212> DNA

<213> Homo sapiens

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tactaaaaat acaaaagaat tagccgagcc tagtggagcg tcaactgcaac ctccgcctcc 120
cggcttcaag caattctcct gcctcagcct cccgagtagc tgagattaca ggcacgctcc 180
actaggctcg gcaggagaat 200

<210> 18318

<211> 184

<212> DNA

<213> Homo sapiens

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tgtttccttt tcttttcttt tttctttttg agacagggtt tcaactctgtc actgaggcta 120
cagtgaacca taatcatgcc actgcaccca gcctcagtga cagagtgaag cctgtctca 180
aaaa 184

<210> 18319

<211> 197

<212> DNA

<213> Homo sapiens

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tttctacaga gagatcagct gttagtctga tgggcttccc ttcgtgggta acccaacctt 180
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<210> 18320

<211> 299

<212> DNA

<213> Homo sapiens

<400> 18320
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aaagtaaaaa gtgaaamwga ctcccccttc caaattccca gaaattacta tcattcatag 120
tttgggtgtgc tttcttctcc tctttactgt gtgtgtgtgt atgcatatgt gtattdtttg 180
tgtatacatt ttactctcaa aaaaatggtc tcataccata cataatgatc tactcatagg 240
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<210> 18321

<211> 72

<212> DNA

<213> Homo sapiens

<400> 18321
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<210> 18322

<211> 249

<212> DNA

<213> Homo sapiens

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 cccagttcta tatttttgct ttggttgcm tgcgtttcga agtcgtatac aaaaaaaaaat 180
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<210> 18323

<211> 113

<212> DNA

<213> Homo sapiens

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<210> 18324

<211> 107

<212> DNA

<213> Homo sapiens

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<210> 18325

<211> 166

<212> DNA

<213> Homo sapiens

<400> 18325
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 gggttcamcg tgtrgccag gatagctctg atctcctgac cttgtgatcc gcccgcctcg 120
 gcctcccaaa gtgctgggat tacaggcatg aaccaccgcg cmmgat 166

<210> 18326

<211> 123

<212> DNA

<213> Homo sapiens

<400> 18326
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 ggc 123

<210> 18327

<211> 122

<212> DNA

<213> Homo sapiens

<400> 18327
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 tt 122

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 <211> 203
 <212> DNA
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 gargcaggca gatcacaagg tcgggagatc gagaccatcg tggccaacat ggtgaaaccc 180
 cgtgtctact aaaatacaaa aaa 203

<210> 18329
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 <212> DNA
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<400> 18329
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 taatttttat tttgttttat ttttcttgag atggagtttt gctcttggtg cccaggctgg 180
 agtgcaatgg tacaatcttg gctcaccaca acctccgccc cca 223

<210> 18330
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 <212> DNA
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 taagatcact ggaaatcaga gtgggttggt tcgtacgaat tcatttgtat gtcaatcatc 180
 ttctccccgc atcta 195

<210> 18331
 <211> 110
 <212> DNA
 <213> Homo sapiens

<400> 18331
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 ggggctggtg tcagccttg attttatctt ctgcagttct cccacccctc 110

<210> 18332
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 18332
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 gtttgtrtaw ggcacttacc atgttatatg gggagagaga tacacaatct agcccataac 120
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181

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<400> 18333
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 aactcagatc catcttcatt gatcttgaaa tcaccaagaa aggacatat 169

<210> 18334
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 <212> DNA
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<400> 18334
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 tgaggacacc taacgtctat atttcttttc ttttcttttt t 161

<210> 18335
 <211> 177
 <212> DNA
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<400> 18335
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<210> 18336
 <211> 58
 <212> DNA
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<400> 18336
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<210> 18337
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 <212> DNA
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<400> 18337
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<210> 18338
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 <212> DNA
 <213> Homo sapiens

004220" 666E560

<400> 18338
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 ggccacacs ctgagctgcc tcttcaggaa cggagctca tt 162

<210> 18339
 <211> 243
 <212> DNA
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<400> 18339
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 cctggctttt ggtattcaca ggaggttctg gagccagttc tccatgacag ataccaaggg 180
 agactataca gtgctactga gatgcctttc gaaacttcag aataccctcc ctccctgccc 240
 tga 243

<210> 18340
 <211> 168
 <212> DNA
 <213> Homo sapiens

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<210> 18341
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 <212> DNA
 <213> Homo sapiens

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 gggatcatgt ggtaatcttg tktttacttt tttgaggrac ctccatacca ttatccatga 180
 tggctatagt aattkacatt cataccagma gtgcacaagg gtctcctttt ctgtatacac 240
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<210> 18342
 <211> 217
 <212> DNA
 <213> Homo sapiens

<400> 18342
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 ggtatatagc ctttttgaac ttcacattgt gaaaccatga ctttatttat tccttctttt 180
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<210> 18343
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<212> DNA
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tgc 63

<210> 18344
<211> 159
<212> DNA
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gaatggaatc aacgcgagt caggggaatg taatgaaac 159

<210> 18345
<211> 216
<212> DNA
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<400> 18345
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tcttttctgg cttgtagggt ttccactgaa aggtctgctg ttagtctgat gggatttact 180
ttgtaggtga cctggtcttt ctctctggct gccctt 216

<210> 18346
<211> 111
<212> DNA
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<210> 18347
<211> 205
<212> DNA
<213> Homo sapiens

<400> 18347
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atcccagaac tgtgggaggc caaggcaggc agataacttg aggtcgggag ttcgagacca 120
gctgggcaaa catggcaaaa ccccatctct actaaaaata caaaaattag ctgggcatgg 180
tgacacgtga ctgtaatccc agcta 205

<210> 18348
<211> 179
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<213> Homo sapiens

<400> 18348

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 cctccagggt actaaagggt gcatgtcccc tgcttgaaca ctgaagggca ggtgggtgggc 120
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<210> 18349
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 <212> DNA
 <213> Homo sapiens

<400> 18349
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 gaaggagctg tcaccagtca caacagaagc 150

<210> 18350
 <211> 193
 <212> DNA
 <213> Homo sapiens

<400> 18350
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 ggagcgtgaa ccctattgtg aactgtgcat gcaatctagg gatctagggt gccccctcct 120
 tatgagaatc taatgcttga tgatctgagg tggtagcctt tcatcctgaa accattctca 180
 ccacatccca gcc 193

<210> 18351
 <211> 275
 <212> DNA
 <213> Homo sapiens

<400> 18351
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 ttaaagcaaa tcttagaaat tagcatctca tctatttcag tatgtacctc taaaggagac 240
 aagttttaaa tcacaaccac aataccacga taaca 275

<210> 18352
 <211> 175
 <212> DNA
 <213> Homo sapiens

<400> 18352
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 aatgggtttc tccatggtgg tcaggctggt ctcaaactcc tgacctcagg tgatccaccc 120
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<210> 18353
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 <212> DNA
 <213> Homo sapiens

<400> 18353
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 ctttttattg gtgttataaa agttgttcat gtattctaga ttcaagtgcc ttatcagctg 180
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 cttac 245

<210> 18354
 <211> 167
 <212> DNA
 <213> Homo sapiens

<400> 18354
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 cccgaagctg cgcgtcggc cgaagagbac gaccatcccc gatagat 167

<210> 18355
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 <212> DNA
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<400> 18355
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 cttcttttcc ttcccacctg tccttcagga tcctaactct aaacttgtag tcttttctg 120
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<210> 18356
 <211> 266
 <212> DNA
 <213> Homo sapiens

<400> 18356
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 tggttcttgt tgttggtgtt gttggtgttg ttggtgtttt tgagatgtag tctcactctg 180
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 caagagattc tcctgcccc ccctcc 266

<210> 18357
 <211> 87
 <212> DNA
 <213> Homo sapiens

<400> 18357
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 tgctcttttt cttccagttt ctttttt 87

<210> 18358
 <211> 115
 <212> DNA
 <213> Homo sapiens

<400> 18358
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<210> 18359
 <211> 314
 <212> DNA
 <213> Homo sapiens

<400> 18359
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 caggctgggt gtggtggctc acgcctggaa tcccagcact ttgggagacc gargtaggtg 120
 gaatcccttg aggccaggag ttcgagacca gcctggccaa cgtggggaaa ccccatctct 180
 agaaaaata taaaaattat ctggtgtggt ggcgtacgcc tataatccta gctactaggt 240
 aggtggaggt tgcagtgagc tgagatcacg aactgcact ccaacctggg tgacaaagtg 300
 agactgtctc ataa 314

<210> 18360
 <211> 121
 <212> DNA
 <213> Homo sapiens

<400> 18360
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 tccatcttct tctctctcta tctcacatg gtagatagag tgaggcagct ctctggattc 120
 t 121

<210> 18361
 <211> 91
 <212> DNA
 <213> Homo sapiens

<400> 18361
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 gggggcacac acctgtaatt ccagctaccc a 91

<210> 18362
 <211> 191
 <212> DNA
 <213> Homo sapiens

<400> 18362
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 tatttttttt agtagagaca gggtttcacc gtgttagcca ggatgggtct gatctcctga 120
 cctcatgatc cgcccgctc ggccctccaa agtgctgaga ttacaggcgt gagccaacgt 180
 gcccggcctc a 191

<210> 18363
 <211> 60
 <212> DNA
 <213> Homo sapiens

<400> 18363
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<210> 18364
 <211> 265

<212> DNA
<213> Homo sapiens

<400> 18364
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ggaatatagg acagctccaa gatccggggc ggcttatagt ctttgccggag gaggtgagtg 180
aatgctcaga ctacagtagat ggcaattata gacatatttt cagtttatag acagaagaca 240
gaaggaagca caaaaaggga cagca 265

<210> 18365
<211> 166
<212> DNA
<213> Homo sapiens

<400> 18365
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cgtctgaggt caggagttcg agaacagcct ggccaacgtg gtacaacccc gtctctacta 120
aaaatacaaa aaaaattagc ggggcctggt ggcacacgcc tgtagt 166

<210> 18366
<211> 175
<212> DNA
<213> Homo sapiens

<400> 18366
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ggcgttctct gtatttctct aatctgaatg ttggcctgcc ttgctagatt ggggaagttc 120
tcttgataa tatcctgcag agtggtttcc agcttggttc cattctcccc atcgc 175

<210> 18367
<211> 145
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<213> Homo sapiens

<400> 18367
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gaggtgggtg aatcatgagg tcaggagttc gagaccagcc tggccaacat ggtgaaaccc 120
tgtctctact aaaaatacaa aaaat 145

<210> 18368
<211> 98
<212> DNA
<213> Homo sapiens

<400> 18368
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<210> 18369
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<212> DNA
<213> Homo sapiens

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<400> 18369
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caacagctct catctgacct ccagagacgt gttgatttag caggttacat tctcttttct 120
ttgtcttttt tttttggaag caatccaatg gatgcaaggg ccgc 164

<210> 18370
<211> 129
<212> DNA
<213> Homo sapiens

<400> 18370
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tcaagtgatt ctctgectc agcctcctga gtaactgaga ctacaggcgt gcgccaccac 120
accgggcca 129

<210> 18371
<211> 54
<212> DNA
<213> Homo sapiens

<400> 18371
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<210> 18372
<211> 87
<212> DNA
<213> Homo sapiens

<400> 18372
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ttctagaata tttaaacata aggctga 87

<210> 18373
<211> 65
<212> DNA
<213> Homo sapiens

<400> 18373
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atttt 65

<210> 18374
<211> 193
<212> DNA
<213> Homo sapiens

<400> 18374
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taaacacagg agattttgct tggttcatgt catcatgaag gatttttcca tcatggttgt 120
cctaagtttt ctctttccat taatgctata attaaacaat gaatattttt gaaaaattta 180
ttatgggaga gtg 193

<210> 18375
<211> 257

<212> DNA
<213> Homo sapiens

<400> 18375
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tacttattta tttttaaaaa ttttaatttt taagagcagt tttaggttca cagcacaatt 180
gagaggaaag tacagagatt tctcatatgc cctgtccct gcacaagcac agcctcccc 240
attatcaaca cctcccc 257

<210> 18376
<211> 86
<212> DNA
<213> Homo sapiens

<400> 18376
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tttatgactg catagtattc catggt 86

<210> 18377
<211> 196
<212> DNA
<213> Homo sapiens

<400> 18377
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tgtggtggct tacgcctgta gtcccagcac cttgagaggt cgaggcaggt ggatcacctg 120
aggtcaggag ttcgggacca gcctggtcag catggtgaaa cctgtctct actaaagatg 180
gaaaagtcgg ccgggt 196

<210> 18378
<211> 63
<212> DNA
<213> Homo sapiens

<400> 18378
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tat 63

<210> 18379
<211> 254
<212> DNA
<213> Homo sapiens

<400> 18379
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ctggagaaga cttttctaag gcaaattccat gtaaagaagg ggtcagggtta aaaattgacg 120
gaaatggcag cggttccttc atgagtttag gaatacacac gacagattgc ttgccgtatt 180
ccaggcagga cctctcctt gccccaaaa cttagacatc agtggttgagc ttagaccaat 240
agaccagggc tgag 254

<210> 18380
<211> 163
<212> DNA

<213> Homo sapiens

<400> 18380
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 gccaccacac ccagctaatt ttttgatatt tagtagagat ggggtttcac catgttggcc 120
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<210> 18381

<211> 77

<212> DNA

<213> Homo sapiens

<400> 18381
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 atttatatgg ggacgta 77

<210> 18382

<211> 127

<212> DNA

<213> Homo sapiens

<400> 18382
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 tagagggaga caagaactaa atatcacaac ttctttctga gcctttwggw ttgctaacgt 120
 gcccacaa 127

<210> 18383

<211> 132

<212> DNA

<213> Homo sapiens

<400> 18383
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 waaagctaaa taatctgatg actcttgaaa gtttaattgg tagtatkaca twtatgwdtt 120
 tttccccag ac 132

<210> 18384

<211> 226

<212> DNA

<213> Homo sapiens

<400> 18384
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 tctattagtt ttgcccagc atattttgat gttctgttgt taatcacata cacattaaga 180
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<210> 18385

<211> 135

<212> DNA

<213> Homo sapiens

<400> 18385
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tcaagtgata tgtacccctc agcctcccaa agtgctggga ttacaggcat gagccacat 120
gcctggccta atttt 135

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<211> 334
<212> DNA
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ccaratgctg crgctccatg tgacttccaa kcaggccctc cgccctccct gctgaatgga 240
ggagccgggg gtccccarg ccaactggaa aatctcccag gctaggccaa ttgccttttg 300
cacttccccg ttcctgtcas atttcccaa gcc 334

<210> 18387
<211> 59
<212> DNA
<213> Homo sapiens

<400> 18387
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<210> 18388
<211> 342
<212> DNA
<213> Homo sapiens

<400> 18388
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gttctgtttc agtaaragaa gtaatgacat atattattga rtgahaaaag ttctaatttc 120
aacatagktc aaccaccata tagctgtttt ctattgtaat aatttgtdtg dwtttagaga 180
arcaaraaag ctactgtcga acaaagtgtac aatttkttta attattatta ttttgaaca 240
gagtctcgca ctgtctccca ggctggaggg cagtggcgcg atctcggtc actgcaacct 300
ccacctccca gttctarmaa ttctcctgcc tcagcctccc tc 342

<210> 18389
<211> 97
<212> DNA
<213> Homo sapiens

<400> 18389
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tgacagggca agatcctatc tgattaaaaa aaaaaat 97

<210> 18390
<211> 185
<212> DNA
<213> Homo sapiens

<400> 18390
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cctgatgaca atgtgcctac gtgaagatct ttttgcaatg aattttccag gtgttctttg 120

tgcttcttgt atttgatgtc taggtctcta gcaaggctgg ggaagttttc cttgattacc 180
cccct 185

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<211> 397
<212> DNA
<213> Homo sapiens

<400> 18391
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ggtagctgtg tttcccttcg aaagcctctc agtacagcac tcctgttcct ctgttaaaac 180
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catacaccag caatgaagga gatagatttg tgtacttgtg ttttttaatc agcattaaca 300
tgggcaggca ccttcattta tagatgtcag gaaacattca gtgaaaaact tgtagaatgg 360
gatgtgataa cgaggttcca gtaatctgag cagtcta 397

<210> 18392
<211> 272
<212> DNA
<213> Homo sapiens

<400> 18392
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ggcatcattt tcttaacttt aaaaatatag gtcgggcgta gtggctcacg cctgtaatcc 120
cagcactttg ggaggccgag gtgggcggat cacctgaggt caggatttcg agaccagcat 180
ggccaacgtg gcgaggcctt gtctctacta aaagtacaag aattggccgg gtgtgggtgg 240
gcgtgcctgt ggtcccagct actcaggagg cc 272

<210> 18393
<211> 436
<212> DNA
<213> Homo sapiens

<400> 18393
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aatgtgggag gaagtacat gtgccatctc caggcatggc gataaaatgg cccttgtgtc 180
ctgtgcgaca ctctttcttt gtccatcaat aaactgaatg cagaggacct aagggaggac 240
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tctttgttcc atcagctagc attaccccca acgtcttcag gtctgaagag ctctgctat 420
attgraagct atcata 436

<210> 18394
<211> 80
<212> DNA
<213> Homo sapiens

<400> 18394
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attggttttg ttttctttt 80

<210> 18395

<211> 197
 <212> DNA
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 cgcccggcta attgttttgt actttcagta gagacggggg ttcaccgtgt tagccaggat 120
 ggtctggatc tctgacctc gtgatccgcc tgtctaggcc tcccaaagtg ctgggattac 180
 cactgcgccc ggccttc 197

<210> 18396
 <211> 56
 <212> DNA
 <213> Homo sapiens

<400> 18396
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<210> 18397
 <211> 163
 <212> DNA
 <213> Homo sapiens

<400> 18397
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 aagtcaatct ctctcacaag gttgcagaaa tttttgtgga cgatgttctc aagcatgttt 120
 tctaggttgc tctctctccc tccctccctt cctccctccc aaa 163

<210> 18398
 <211> 150
 <212> DNA
 <213> Homo sapiens

<400> 18398
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 ggcctgaaaa agagactgta tggatggagc 150

<210> 18399
 <211> 134
 <212> DNA
 <213> Homo sapiens

<400> 18399
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 gtgcctggct gatgtttgta cttttagtag agacggtgtt tttccatgtt ggtcaggctg 120
 gtctcccact cccc 134

<210> 18400
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 18400

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tatttcttaa	cttcttaaag	tatgctagcr	ttttatgtat	atgtacacat	atattcagac	180
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<210> 18401
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 <212> DNA
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cagagatcat	catggctgcc	actcccaccg	cagactcaga	gtgcaagggc	ctggggagca	240
gaactccctc	caccttgatt	tcaaagacta	gaaccaatgc	ccagtggact	tcaggggcta	279
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 <211> 311
 <212> DNA
 <213> Homo sapiens

<400> 18402						60
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ttttattata	tagcttgcnt	ttttttattt	tttattttatt	tattttttta	gacagagtct	240
cgatctgttg	ccaggctgga	gtgcagtggc	ggatgatctca	gctcwnatga	acctctgcct	300
cccaggttca	agcgattctt	ctgtctcagc	ctcccagata	gctgggacta	caggacccca	311
ccaccacacc	c					

<210> 18403
 <211> 265
 <212> DNA
 <213> Homo sapiens

<400> 18403						60
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tattctgtgt	tgtacgacgg	gttttgacaa	atgtgcaagg	tcatgtatct	actattacag	240
tattatacag	aatagtttta	tgatctgaaa	atcccttggt	ccgctccctc	ccccaccacc	265
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<210> 18404
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 <212> DNA
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<400> 18404						60
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 <212> DNA

004220" 666E7960

<213> Homo sapiens

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acccgcctcg gcctccckaa gtgctgggat tataggcgtg agccactgtg cccgaccaca 180
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<210> 18406

<211> 192

<212> DNA

<213> Homo sapiens

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tatttaccag gtccctcgata ttgccataga tattcttctt catgcctgat gcgcgagtag 180
ataccatcc aa 192

<210> 18407

<211> 135

<212> DNA

<213> Homo sapiens

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tgaggccagt agtttgagac tagcctggcc aacatggcga rscatctct actaaaaaaaa 120
aaaaaaaaaaaa aaaaa 135

<210> 18408

<211> 363

<212> DNA

<213> Homo sapiens

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tatggagatt ttgatttagt aggtctaggt ggaaatctga gaatctgcat ttttaaaga 180
ttagcagatg tttctgttat taaccaggct tgacaaccac tgaagtattg tctgtcatct 240
gtcatcttcc tccttctctc cctccatccc ttcttcccc ttccctccct kwnttcctt 300
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<210> 18409

<211> 103

<212> DNA

<213> Homo sapiens

<400> 18409
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gtttgagacc agcctggcca atatggtgaa accccgcctc act 103

<210> 18410

<211> 201

004220"666T560

<212> DNA
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tttgagctgt gttctcccg acgcccctgc acacgaagcc catagagacg tgtgtttcac 180
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<210> 18411
<211> 130
<212> DNA
<213> Homo sapiens

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tgtaaggaa tgtaaatagaa tcaatccgaa tgtaaatggaa tggaaatggaa tggagtgaa 120
tggaaatgcaa 130

<210> 18412
<211> 175
<212> DNA
<213> Homo sapiens

<400> 18412
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ggtgctgaga ttacaggcgt gascactggc accacttttt tacactacta attacttttc 120
taacagtgta aaaccttgct cccttgctt caatatattt actttttttt ttttt 175

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<211> 372
<212> DNA
<213> Homo sapiens

<400> 18413
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gagtacttcc tatgttttct tccaggattt ttatagtcag aagatgtact cttatgtaag 120
aaaagcacia atatttttat ttttttattt ttattttttt gagatggagt ctccatcacc 180
caggctatag tgcagtggta tgttcttggc ttactgcaac ctctgtctcc tgggttcaag 240
tgattctcct gcctcagcct cctgagatc tgagattaca catgcctgcc aacacgcctt 300
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<210> 18414
<211> 137
<212> DNA
<213> Homo sapiens

<400> 18414
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agtgaagcga gatcctgcca ctgcactcca gcctgggtag cagagcaaga ctctgtctct 120
aaagaaaaaa aaaaaaa 137

<210> 18415

<211> 67
 <212> DNA
 <213> Homo sapiens

<400> 18415
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<210> 18416
 <211> 152
 <212> DNA
 <213> Homo sapiens

<400> 18416
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 ccagcctccc aagtagctgg gattacaggc gtccgccacc aaacacagct aagttttgca 120
 tttttagtag agacggggtt tcaccatgtt gg 152

<210> 18417
 <211> 191
 <212> DNA
 <213> Homo sapiens

<400> 18417
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 ttgagttcat ctttctgcca ccaggggtca gtctgtcatc aagaccttct ccaggaacgc 180
 ccaccagccc c 191

<210> 18418
 <211> 235
 <212> DNA
 <213> Homo sapiens

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 tatctggtga tgggtgtgta gcctgcatit tcttcacttc tgtggtagaa tctctaaaac 120
 aggaatgaga ctaagattcc cccctgcccc cagcacttag ggagggtag gtgggcgggtt 180
 catgaggtca ggagatcaag accatcctgg ctaacacggt gaaaccccat ctcta 235

<210> 18419
 <211> 216
 <212> DNA
 <213> Homo sapiens

<400> 18419
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 ccacgcccag ctaatttttg tatttttagt agagttgagt ttttgccatg taggccagga 180
 gttcaagtct agcctggcca acatggcaaa aactca 216

<210> 18420
 <211> 273
 <212> DNA

<213> Homo sapiens

<400> 18420
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 tgtagggcag gcctgggtgg gacaaaatct ctcagcattt gcttgtctgt aaagtatttt 180
 atttctcctt cgcttatgaa gcttagtttg gctggatatg aaattctggg ttgaaaattc 240
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<210> 18421

<211> 359

<212> DNA

<213> Homo sapiens

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 gggatcatgt ggtaatcttg tttttacttt tttgaggaac ctccatacca ttatccatga 180
 tggctatagt aattttacatt cataccagca gtgcacaagg gtctcctttt ctgtatacac 240
 ttgccaacac ttgttatctt tcattttttt gatgctagcc attctaacag gtgggaggtg 300
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<210> 18422

<211> 234

<212> DNA

<213> Homo sapiens

<400> 18422
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 cagtagccac atgtggctag tgactccata ctggactgtg taggtttaga gtttcagtaa 120
 atttgtatgc aatagaatct acataaattg gcatattatg cagatttctt tgtatgcaca 180
 tcagttcttg catagcataa gtcaggtcac gatgctttta gtctatgagg cgar 234

<210> 18423

<211> 328

<212> DNA

<213> Homo sapiens

<400> 18423
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 tcaacccttt gtattcaata ctgttttggg caccatttta cagatgagga gactgcggct 180
 tgaagagggt aagaaacttg ctcttttagat ggtattccag tgtaggcagc ctgactccag 240
 agctggatga tcttctaacc cccccataac agtgctttca agtcatctgg aagaacttat 300
 tatgcaaatt aaaataccct gggcgadr 328

<210> 18424

<211> 106

<212> DNA

<213> Homo sapiens

<400> 18424
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 ttacaggcgt gascaccgtg cctggctgcg gttttttttt tttttt 106

004220 6667560

<210> 18425
<211> 142
<212> DNA
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<400> 18425
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ctgttattgg ggtgtgttat agtgtgtgtc tgtrtgtgtr wtttactttt ttttttwatt 120
ttgwattttt cctaccccc ca 142

<210> 18426
<211> 137
<212> DNA
<213> Homo sapiens

<400> 18426
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acgactctag ccaccagtgt gaccctgtta aaagcctctt ctctgcagc ctgagatgga 120
tggacagaca gacacct 137

<210> 18427
<211> 123
<212> DNA
<213> Homo sapiens

<400> 18427
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gaatgttttc cacttcacat ttccaagtag aaatattagt gttacggaag tgcctartat 120
ccc 123

<210> 18428
<211> 253
<212> DNA
<213> Homo sapiens

<400> 18428
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aattattatt tgtcaattaa aaaataaaat taattggmtg ggcamagtgg mtcswggcat 120
gtaatcccaa catgtaggga gactgaggca ggcagatgat gaggtcagca gttcgagacc 180
agcctgacca acctagcaaa actccatctc tactaaaaat gtaggaatta gctgggcatg 240
gtagcgggca cct 253

<210> 18429
<211> 312
<212> DNA
<213> Homo sapiens

<400> 18429
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ggctcaagcc tgtaatccca gcactttggg aggccgaggc aggtggatca mgrrgwcagg 120
agttcarrcc catcctgacc aacatgatga aaccccgctc ctactaaaaa tacaaaaatt 180
ggccgggtgt ggtgttggtc agcctgtaat cccagctgct cggggggctg aggcaggaaa 240
attgcttgaa cttgcgaggc ggaggttgca gtgagcaaga tcgtgccact gcactccagc 300

mtgggtgacg ga

312

<210> 18430

<211> 255

<212> DNA

<213> Homo sapiens

<400> 18430

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raaaatrgaa ataraaatag accaggagag gtggctcacg cctgtaatcc cagcactctg	180
ggagaccaag gcgggtggat cacctgaggt caggagtctg agaccagcmt ggccaacata	240
gagaaacccc agcca	255

<210> 18431

<211> 139

<212> DNA

<213> Homo sapiens

<400> 18431

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gtctcgatct cctgacctca tgatccgcct gcctcgggcc cccaaagtgc tgggattata	120
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<210> 18432

<211> 151

<212> DNA

<213> Homo sapiens

<400> 18432

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tacatgtgcc atgttggtat gctgcacctt ttaactcgctc atttaacatt aggtatatct	120
cctaattgcta tccctcctcc ctcccccccc t	151

<210> 18433

<211> 182

<212> DNA

<213> Homo sapiens

<400> 18433

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agtggacctc cagcaaactc caacaaacct gcacctgagg ctctgactg ctagaaggaa	120
aactaacaaa caggaaggac atacacacca aaaccccatc tgcacatcac catcatcaaa	180
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<210> 18434

<211> 97

<212> DNA

<213> Homo sapiens

<400> 18434

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<210> 18435
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 18435
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 aggmwtwggg ttgctccagg taaaggggtga aggaactgaa agaaactgat caccacatga 180
 atctttcttt aaaggatamt gagatccaag gccatcatct attgaagtct cccgggmtca 240

<210> 18436
 <211> 87
 <212> DNA
 <213> Homo sapiens

<400> 18436
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 ctttggttat gtatgcagta gggggat 87

<210> 18437
 <211> 192
 <212> DNA
 <213> Homo sapiens

<400> 18437
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 tattgaatgc atttctgttc tgaaatccat caaatgagat atattgtact atgattatatt 120
 gtttacacat ctgtgtctct gtccttcctt ctatcaatag tcaatgacct acctcttttt 180
 tttttttttt tt 192

<210> 18438
 <211> 195
 <212> DNA
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<400> 18438
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 agtgcagtgg ggcgatcatg gctcactgca gccttgactt cccaggctta aacaatcctc 180
 ctctacatc cccat 195

<210> 18439
 <211> 98
 <212> DNA
 <213> Homo sapiens

<400> 18439
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<210> 18440
 <211> 118
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<213> Homo sapiens

<400> 18440
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<210> 18441

<211> 214

<212> DNA

<213> Homo sapiens

<400> 18441
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aaaggaaagc tttagcctct ctttcctagc tgaaagatca atggggaggg agtgtgtctc 120
agaaaataag tggggttggtg tttggagcac tgggaaggga ggaaatgcat gaaagatgaa 180
accatttatt gggaaagaaa caggaaatgg ggc 214

<210> 18442

<211> 161

<212> DNA

<213> Homo sapiens

<400> 18442
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ttcacaatgt tgtacaacca cttcacaagc cagttccata actttttcat ccaatatgaa 120
aactctaccc attaaacaac tttccattcc tccctcgcg c 161

<210> 18443

<211> 248

<212> DNA

<213> Homo sapiens

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tggcaagagc tgccgccggt gctgggagag catttatttg ggagaaaaag aggggagaga 180
gcagagggag ggggaggaag agagttcaaa ccgaagtgga tggaagggga ctgggggttc 240
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<210> 18444

<211> 339

<212> DNA

<213> Homo sapiens

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tgggcattta gtgctgtaat tttctgtctt aacactgctt tatctattth ccagagattc 180
tggtatgttg tctctttgtg cacaaaacca cacaactaca tgaaaactga anaatctacc 240
cctgaatgac tcctgggtaa ataataaaat taaggcagaa atcaagcagt tttttgaaac 300
aaatgtgcac aaagagacaa cataccagaa tctctggga 339

<210> 18445

<211> 146

<212> DNA

<213> Homo sapiens

<400> 18445

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<210> 18446

<211> 261

<212> DNA

<213> Homo sapiens

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cgcccgccac tgcgcctggc tagtttttct atttttagta gagacagggc ttcaccatgt	180
tggccaggct tgtctcaaac tcctgacctc gtgatccgcc tgcctcagcc tcccaaagtg	240
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<210> 18447

<211> 142

<212> DNA

<213> Homo sapiens

<400> 18447

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aggatggctg gagctcagaa gttcaagtct tcagtgaact gtgttcatac cactgcactc	120
tagcctggat ggcagagcgc cc	142

<210> 18448

<211> 206

<212> DNA

<213> Homo sapiens

<400> 18448

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ttcaagctaa ttcttttagct tgatcaatct ctcaatagaa ttgatcaagc taaagaatta	180
gcttgaagac aggcctcttg aaaaca	206

<210> 18449

<211> 108

<212> DNA

<213> Homo sapiens

<400> 18449

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aaagagcgag actccatctc aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa	108

<210> 18450

<211> 121

<212> DNA

<213> Homo sapiens

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<400> 18450
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c 121

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<212> DNA
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<400> 18451
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gagttggggc caga 134

<210> 18452
<211> 108
<212> DNA
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<400> 18452
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<210> 18453
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<212> DNA
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aatcttagct atcacaagca taatcagttc t 151

<210> 18454
<211> 144
<212> DNA
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ctatectcat tatccctat ccac 144

<210> 18455
<211> 114
<212> DNA
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<210> 18456
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 <212> DNA
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 gcgtgastac tgcaccacgc aaagtgtgtg tatatttttag gaaacacaca cgcgcacacc 180
 ccac 184

<210> 18457
 <211> 163
 <212> DNA
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<400> 18457
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<210> 18458
 <211> 62
 <212> DNA
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<400> 18458
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 aa 62

<210> 18459
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 <212> DNA
 <213> Homo sapiens

<400> 18459
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 catgaawcag tsaagctaca aaacatttcc atcatcacia gtgatccatc ttgtccttta 180
 aagtcatact catcctaacc cccatcctga aaacctggaa accactattc tattctttat 240
 ttgtataatt ttctcatttc gaggamstta tataatgaaa ttacacagta tgtaatcttt 300
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<210> 18460
 <211> 238
 <212> DNA
 <213> Homo sapiens

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 aatattttac agagcttggt ttttccatta acaaggtggt attcttcatt attgcaaggc 180
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 <211> 78
 <212> DNA
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<400> 18461
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 aaaaaaaaaa aaaaaaaaaa 78

<210> 18462
 <211> 101
 <212> DNA
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<400> 18462
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 gacttcacag caaggaaagt tatcagagat aaagagggt a 101

<210> 18463
 <211> 227
 <212> DNA
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<400> 18463
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 tcggcctccc aaagtgtctg gattacaggc atgagccacc acgccct 227

<210> 18464
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 <212> DNA
 <213> Homo sapiens

<400> 18464
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<210> 18465
 <211> 123
 <212> DNA
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<400> 18465
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 cac 123

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<400> 18466
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<400> 18467
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 gggactacag gcgcccgcga ccgcgcccgg ctaatttttt gtatttttag tagagacggg 180
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<210> 18468
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 <212> DNA
 <213> Homo sapiens

<400> 18468
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<210> 18469
 <211> 104
 <212> DNA
 <213> Homo sapiens

<400> 18469
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 gcctgggcaa caagagcaaa actctgtctc aaaaaaaca aaca 104

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 <211> 131
 <212> DNA
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<400> 18470
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 accccacgcc c 131

<210> 18471
 <211> 103
 <212> DNA
 <213> Homo sapiens

<400> 18471
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<210> 18472

<211> 241
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 agatggggct tcaccatatt ggtcaggctg gtctcaaact tctgatctca gattctcagg 180
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<210> 18473
 <211> 123
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 acc 123

<210> 18474
 <211> 262
 <212> DNA
 <213> Homo sapiens

<400> 18474
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 taggtgaggg gatgtaaatt catgtttctt ccttcctttt cccccctttt tgttgaggg 180
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<210> 18475
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<400> 18475
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 gaccagcctg gccagcatgg cggaaccctg tctctactaa gaatacagaa gattggccga 180
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<210> 18476
 <211> 96
 <212> DNA
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<400> 18476
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6367

<210> 18482
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 aggtctctgg ttttccymgg cagagggccc tgccgccttc tgccttccgc agtgtttatg 240
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<210> 18483
 <211> 168
 <212> DNA
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<400> 18483
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 ccagcctggg caacagagcg agactccgtc tcaaaaaaaaa aaaaaaaaa 168

<210> 18484
 <211> 105
 <212> DNA
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<400> 18484
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<210> 18485
 <211> 121
 <212> DNA
 <213> Homo sapiens

<400> 18485
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 <212> DNA
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<400> 18486
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 aaaattttgt tatcaatcat attttggtt ggtgggtatt agtccaaatt ccaaattatt 180
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<210> 18487

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<211> 72
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<400> 18487
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<210> 18488
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 18488
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 cctcagcctc ctgagtagct gggattacag gtgccacca cctcacctag ctagtttttg 180
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<210> 18489
 <211> 130
 <212> DNA
 <213> Homo sapiens

<400> 18489
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<210> 18490
 <211> 117
 <212> DNA
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<400> 18490
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 tctaccatta tccccaaatc ttattttatt cattgacttg aaattttttc caattgc 117

<210> 18491
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 <212> DNA
 <213> Homo sapiens

<400> 18491
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 attctcagta aactattgca agaaca 146

<210> 18492
 <211> 128
 <212> DNA
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<400> 18492
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 aaactgga 128

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 <212> DNA
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<400> 18493
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 ccacacctgc cc 132

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<400> 18494
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 accgcgcccgc gccaca 137

<210> 18495
 <211> 162
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<400> 18495
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<210> 18496
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 <212> DNA
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<210> 18497
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<400> 18497
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 tgtctcaaaa aaaaaaa 137

<210> 18498

<211> 169
<212> DNA
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tggcacactg caacctccgc ctccctgatt caagtgattc tccgcctt 169

<210> 18499
<211> 273
<212> DNA
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<400> 18499
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ttgctgggca gctcaagggt aggatgaatg gttcctgccg tgtggagtgg cgtccctggg 240
gccagctgtc cctcggggaa gcagtgcg gga 273

<210> 18500
<211> 115
<212> DNA
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<400> 18500
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<210> 18501
<211> 154
<212> DNA
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atttttgtgt ttwtagtaga gacagggttt gccatgttg ccaggctggt cttgaactcc 120
tgacctcaag tgatccgcca cctcgcctcc ccta 154

<210> 18502
<211> 129
<212> DNA
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<400> 18502
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aaggagagac 129

<210> 18503
<211> 68
<212> DNA
<213> Homo sapiens

004220-6667560

<400> 18503
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<210> 18504
<211> 205
<212> DNA
<213> Homo sapiens

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gtggatcact tgaggtcagg aatttgatac cagssaggcc aacatggtga aaccccatct 180
ctactaaaaa tacaaaaaaa ttagt 205

<210> 18505
<211> 114
<212> DNA
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<400> 18505
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<210> 18506
<211> 156
<212> DNA
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<400> 18506
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ctgggattwc aggtgcccac caccacaccc ggctgc 156

<210> 18507
<211> 128
<212> DNA
<213> Homo sapiens

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aaaaaaaa 128

<210> 18508
<211> 163
<212> DNA
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cccgaagctg cgcgctcggg cgaagakkac gaccatcccc gat 163

<210> 18509
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 <212> DNA
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<210> 18510
 <211> 186
 <212> DNA
 <213> Homo sapiens

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<210> 18511
 <211> 254
 <212> DNA
 <213> Homo sapiens

<400> 18511
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 tacatttttag ataatatatt gtagcaattc aggatttcta ttctctcccc ctgagggggg 180
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<210> 18512
 <211> 185
 <212> DNA
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 <212> DNA
 <213> Homo sapiens

<400> 18513
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 acccggtga agatacagca gcctcctgaa ctccccctc ccaccaggc cgggacctgg 180

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228

<210> 18514
<211> 192
<212> DNA
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ttttacaaag cattatgcaa gtagttaatg actaatatat acatatctaa tatatataca 180
tctaatagcag aa 192

<210> 18515
<211> 225
<212> DNA
<213> Homo sapiens

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<210> 18516
<211> 108
<212> DNA
<213> Homo sapiens

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gcaccaccat gccagctaa tttttgtatt tttttagtag atggggac 108

<210> 18517
<211> 102
<212> DNA
<213> Homo sapiens

<400> 18517
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agcctgggtg aaagagcgag actccgtctc aaaaaaaaaa aa 102

<210> 18518
<211> 110
<212> DNA
<213> Homo sapiens

<400> 18518
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cagtgaaca aaattgaaaa tcaactccaa aaggagccct cagaaccgcg 110

<210> 18519
<211> 70
<212> DNA

<213> Homo sapiens

<400> 18519
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<210> 18520

<211> 163

<212> DNA

<213> Homo sapiens

<400> 18520
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<210> 18521

<211> 199

<212> DNA

<213> Homo sapiens

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 gtcagggttc tgactgctgc ttctcctagc agtaactcac agtatcacag ctgctgagag 180
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<210> 18522

<211> 156

<212> DNA

<213> Homo sapiens

<400> 18522
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<210> 18523

<211> 103

<212> DNA

<213> Homo sapiens

<400> 18523
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 acatacctcg tatccccctg tcaattacta ttccccaggg gct 103

<210> 18524

<211> 184

<212> DNA

<213> Homo sapiens

<400> 18524
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cagtgcagcca taatcatgcc actgcaccca gcctcagtga cagagtgaaa ccctgtctca 180
aaaa 184

<210> 18525
<211> 130
<212> DNA
<213> Homo sapiens

<400> 18525
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tggaatgcaa 130

<210> 18526
<211> 196
<212> DNA
<213> Homo sapiens

<400> 18526
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ggcatgagcc accaca 196

<210> 18527
<211> 129
<212> DNA
<213> Homo sapiens

<400> 18527
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accccaaaa 129

<210> 18528
<211> 197
<212> DNA
<213> Homo sapiens

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aggctgcctt gcaaggcagg gcagagcagg ggctgttgaa rggtttggac ttaatccctg 180
aggcaaggag aagtgat 197

<210> 18529
<211> 292
<212> DNA
<213> Homo sapiens

<400> 18529
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catctcaaaa aaaatgaata aataaaaaaa ttagccagat ccctgtagtc ccagggtat 120
gggaggctga gagaggagaa ttgcttgagc ccaggaacag aaggtttgca gtgagccaag 180

atcacaccac tgcaactccag tctgggcaac gggagtgaac ccctgtctca aaaacaaaca 240
aacaatatata tcacaaaata tgtttagtgt ttttgatggg tttttttctt tt 292

<210> 18530
<211> 169
<212> DNA
<213> Homo sapiens

<400> 18530
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gcctctgggc tcttcccttc ccggaggcgt ggccagaagt tccccttggg cctccgggtcc 120
tcggggcgta agggccacgg tgtatttttg ggatgaaaac cagtccttc 169

<210> 18531
<211> 156
<212> DNA
<213> Homo sapiens

<400> 18531
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acgtctcac tttgtcacc aggtggagt acaagggtgc tatcacagct cagtgcagcc 120
tcaacctcct ggctcaagc gatccttcca ccccat 156

<210> 18532
<211> 154
<212> DNA
<213> Homo sapiens

<400> 18532
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tacatagcta atgtgttttt yttttttttt tttt 154

<210> 18533
<211> 65
<212> DNA
<213> Homo sapiens

<400> 18533
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tttaa 65

<210> 18534
<211> 218
<212> DNA
<213> Homo sapiens

<400> 18534
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gggtgtgatg gcacagacct gtgggtcccag ctactctgga ggctgagcg ggagagtggc 120
gtgasctggg aggcggastt gcagtgaatt gagatggcgc cattgcactc cagcctgggc 180
gagagtgaga ctccgtctca aaaaaaaaaa aaaaaaaaaa 218

<210> 18535

<211> 119
 <212> DNA
 <213> Homo sapiens

<400> 18535
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 gccgtgttct tccttgggtg aagggatagg ggagctccct tgagcttttt tttttttaa 119

<210> 18536
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 18536
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 gtcagctttc agttcctcct ggatgccctg ctctctccac tcactacggg gctttattac 120
 aagttgtttt tatagtcata aagggtccc ttcccttttt cttacaaatt agccaaggct 180
 a 181

<210> 18537
 <211> 247
 <212> DNA
 <213> Homo sapiens

<400> 18537
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 gattctcttg ccttagtctc ctgagtagct gggattacag gcacacacca tgcttggtta 120
 atttttgtat tttagtagag atggcgtttt gccatattgg ctaggctggg ctcaaactcc 180
 tgacctcaag tgatctgcct gccttggcct cctgaaatgc ttggaaaaca ctcactcccc 240
 accaccg 247

<210> 18538
 <211> 102
 <212> DNA
 <213> Homo sapiens

<400> 18538
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 tctattaaac ctctttttca tccttttttt tttttttttt tt 102

<210> 18539
 <211> 130
 <212> DNA
 <213> Homo sapiens

<400> 18539
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 tggaatgcaa 130

<210> 18540
 <211> 272
 <212> DNA
 <213> Homo sapiens

<400> 18540
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 gaggctcggg ggtggaggag ccttagtggtg tccacaaagg gactcctgaa actgactgag 180
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 ttgctatgga gactaccaat ggaacggaga ct 272

<210> 18541
 <211> 131
 <212> DNA
 <213> Homo sapiens

<400> 18541
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 gtggcgtctt ctgggcctgg atggtctaata atggagttta taagctgaag tggctttgaa 120
 aagggcaagc t 131

<210> 18542
 <211> 86
 <212> DNA
 <213> Homo sapiens

<400> 18542
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 aggcgggaga cttgcttgaa cgcgag 86

<210> 18543
 <211> 119
 <212> DNA
 <213> Homo sapiens

<400> 18543
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 actgggcaca cgccatccca gagggtctag gatgccccag gaaggaaaga agggcgaca 119

<210> 18544
 <211> 369
 <212> DNA
 <213> Homo sapiens

<400> 18544
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 gaaaaacctt tgtcttcaag aagcttttac tgtccgctg tcaagttcct gagcagmagc 180
 tgatttctgg cttagaagtt atgggttagga aagtaactag tgagcgact aaacagtaag 240
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 ccttcaccct aatgctagcc cggttctgag ccaragttat ttcgctctgc cagtgggtgca 360
 cttcagaaa 369

<210> 18545
 <211> 78
 <212> DNA
 <213> Homo sapiens

<400> 18545
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 cacgcgatcc acccaact 78

<210> 18546
 <211> 114
 <212> DNA
 <213> Homo sapiens

<400> 18546
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<210> 18547
 <211> 123
 <212> DNA
 <213> Homo sapiens

<400> 18547
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 gaa 123

<210> 18548
 <211> 158
 <212> DNA
 <213> Homo sapiens

<400> 18548
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 accagtctag aatctaaaac ccaaccacct cctttattgg gcttccacat tatgggtcac 120
 catccacctg ccataatcac ccaaggatca gacaatta 158

<210> 18549
 <211> 241
 <212> DNA
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<400> 18549
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 gttactatct ctgttctttt gcattttactg aggagtgttt tacttccagt tatgtgggtca 180
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 a 241

<210> 18550
 <211> 51
 <212> DNA
 <213> Homo sapiens

<400> 18550
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<210> 18551
 <211> 163
 <212> DNA
 <213> Homo sapiens

<400> 18551
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 aatacagtct gakatgctgg ggaccaggga gacagaggtg gaagchtcta ggggtaccaga 120
 gtcagaggct gaggggacag aagctaaaat attaggaacc cga 163

<210> 18552
 <211> 211
 <212> DNA
 <213> Homo sapiens

<400> 18552
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 agttttctta ggaaggggca ctttgtaaaa attagatggc ctttgttcta gacagttgta 120
 cccttttata ttgggtgtta tccattaatc ctactcatgt gggcagagcc ctcatggctc 180
 aattatctct taatggtccc acccccccca t 211

<210> 18553
 <211> 126
 <212> DNA
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<400> 18553
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 tttttcttct acttctctag tctattattg aaacttccca ctgcattttt atatctctaa 120
 gtgtgt 126

<210> 18554
 <211> 65
 <212> DNA
 <213> Homo sapiens

<400> 18554
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 tctca 65

<210> 18555
 <211> 77
 <212> DNA
 <213> Homo sapiens

<400> 18555
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 tggatcacgt tgtttg 77

<210> 18556
 <211> 175
 <212> DNA
 <213> Homo sapiens

<400> 18556
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ggtcccacta tgttgcccag actagtctca aactcctggc ctcatgggat cctcctgcct 120
cagccttcca aaggctggct tgggtttaca gaaatgagtc actgtgcctg gccca 175

<210> 18557
<211> 156
<212> DNA
<213> Homo sapiens

<400> 18557
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gaccaggttt ctgagcttgg cttggattca gaagtgtctc ccagtgggta gggcatgcag 120
ggcaccgccc acgtagagga acctgttctg ggcagc 156

<210> 18558
<211> 153
<212> DNA
<213> Homo sapiens

<400> 18558
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gtatgavaat tggaaattgg cttctagatt tttgtattat attgccaaat gatggagtga 120
tgagattgav atctactact tctttttgcc ttt 153

<210> 18559
<211> 212
<212> DNA
<213> Homo sapiens

<400> 18559
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acaagtcagt aagtaagaga caaacaactt actaaaaaaaa tggttgagar gccaaaggcat 120
gttgacagca cacctgtaat tccagcactt tgggaggcca aggcaggagg atcacttgag 180
gccaggagtt cgagaccagc ttgggcaaca ca 212

<210> 18560
<211> 323
<212> DNA
<213> Homo sapiens

<400> 18560
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tttgtgggta acccaacctt tctctctgas tgccctkaac attttcccct catttcaact 180
ttggtgaatc tgacaattat gtgtskkgca gtkgctcttc ttgaggagta tctktgtggc 240
gttctctgta tktcctgaat ttgaatgatk acctgccttg ctabgttggg gaagtctcct 300
ggataacgta atgcagagtg tgt 323

<210> 18561
<211> 52
<212> DNA
<213> Homo sapiens

<400> 18561
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<210> 18562
 <211> 153
 <212> DNA
 <213> Homo sapiens

<400> 18562
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 ccgtgttggt caggttggtc gtgaactcct gatccttaggt gatccgcccc ccttggcctc 120
 ccagagtgtc gggattacag gcgtgancca cca 153

<210> 18563
 <211> 408
 <212> DNA
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<400> 18563
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 tctgttatta atatttttct agaaaaagtt atttcactcgt tttttagata tattgacata 180
 gaattgagtt atagtgttct cttttaatta aataaaactc tgtatttaac attatcctcc 240
 tttttatcca atattgttta tttgtgctag acgtttgcct gcttagtttt tctgggtgagc 300
 cagaatttgg ttttgggtta tttttgcygt ttttcttatt ttctgcktaa tttckacktt 360
 cttcctttta cctctttgct ttttcccttc ttctcchat cccccct 408

<210> 18564
 <211> 81
 <212> DNA
 <213> Homo sapiens

<400> 18564
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 tgcctcagga agaaaaaaag a 81

<210> 18565
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 18565
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 ggagtgggtc tatatctgtt aaaatcataa gacatgattc tagacaggat agtaagamaa 120
 gtactaccaa agatagtaaa aaacattcag gctctgattc tagtgggaagg agcagttctg 180
 agtctccagg aagcagcat 199

<210> 18566
 <211> 335
 <212> DNA
 <213> Homo sapiens

<400> 18566
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ctcccagctt	gtcttttccc	tttggttag	tgattttggg	gttccaagat	ttattttccg	120
gccgggctg	gtggctcatg	actgtaatcc	cagcactttg	ggaggccgac	gtgtgcggat	180
catctgaggt	cgggagtttg	agactagcct	gaccaacatg	gagaaacctc	gtctctacaa	240
aaaatacaaa	attagctggg	tgtggtgggt	catgcttgta	atcccagcta	cttgggagggc	300
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<210> 18567
 <211> 286
 <212> DNA
 <213> Homo sapiens

<400> 18567						60
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cttttttttt	cttttcttta	ttatacttta	agttctaggg	tacatgtgca	caatgtgcag	240
gtttgttaaa	tatgtataca	tgtgccatgt	tggtgtgctg	cacccattaa	cttgtcattt	286
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<210> 18568
 <211> 133
 <212> DNA
 <213> Homo sapiens

<400> 18568						60
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gggggttttt	gccatgttgg	tcaggctggg	ctcaaactcc	tgacctcaag	tgatccaccc	133
acttcggcct	cct					

<210> 18569
 <211> 262
 <212> DNA
 <213> Homo sapiens

<400> 18569						60
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gctgggataa	agtccagccc	ctgaccgggt	cctccaggcc	gtgtggagcc	agcctcagtt	240
gccctttcca	ccttcctctc	tgctactcct	catcttctgg	tcaagttcct	cagacatccc	262
aggtgtctcc	ctccaatgtc	tg				

<210> 18570
 <211> 152
 <212> DNA
 <213> Homo sapiens

<400> 18570						60
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tacactaaca	tgttctcctg	cttattcagg	gctttcttct	acagccattg	ttgccagcca	152
acaaggctca	actccctcac	tctaccgccc	tc			

<210> 18571
 <211> 172
 <212> DNA
 <213> Homo sapiens

<400> 18571
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 tattcagctc tattgtggta atcatttcac agtgtacaac atgatgattt at 172

<210> 18572
 <211> 228
 <212> DNA
 <213> Homo sapiens

<400> 18572
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 atcccaacgc aatctgcctg tgagaagctc agtccactgg aacagacaac aggcacataa 120
 acaacaagga cagaggatgc cagggagtgc aaaaggaata caagagaaac ccggaggagg 180
 agaggcgagg gtgggttaatg ccactgcaga tgggactctg gagctgag 228

<210> 18573
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 18573
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 accatattac ccttttaatt atattaaatg ccacttaatt tttttctaaa agtacatatt 120
 ttaaaactttt tactagatgt tttttaggaa attgctaaaa ttagcagtgg tcaaagatgg 180
 actgtttagt tggatgttc ttgttacttt cttgggcccc tttcaaaata tgctggatgt 240
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 tggcgaccca attctggaga aactgcccc ccacctct 338

<210> 18574
 <211> 57
 <212> DNA
 <213> Homo sapiens

<400> 18574
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<210> 18575
 <211> 82
 <212> DNA
 <213> Homo sapiens

<400> 18575
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 tttaaaaaaaa aaaaaaaaaa aa 82

<210> 18576
 <211> 153
 <212> DNA
 <213> Homo sapiens

<400> 18576
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tggctaattt tgtattttta gtagaggtgg ggtttctcca tgttggtcag gctgggttctg 120
aactgcccgc caatttccaa cctgaatccc ccc 153

<210> 18577
<211> 222
<212> DNA
<213> Homo sapiens

<400> 18577
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cctctgcctg gaatgatctt cccctaggct cctgcatagt ccagttcttc ccttctcttg 120
gctcttgatt caaatgtcat catcatagtg aggttttccc taatccccct acagattcta 180
gtaactcctt cacaatcacc cctgggcttc ttcccctgct cg 222

<210> 18578
<211> 153
<212> DNA
<213> Homo sapiens

<400> 18578
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ggaaataaaa ttttaaaata agaatttttc tcatttttat tgttcaagaa aaacacttac 120
tggtaggttt tgttatataa ctttctagggt ttt 153

<210> 18579
<211> 90
<212> DNA
<213> Homo sapiens

<400> 18579
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tggcaatgta taaattcttt ttttttttt 90

<210> 18580
<211> 138
<212> DNA
<213> Homo sapiens

<400> 18580
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actgcaatac gcaatttact ggagagacaa ctgctcacac ggtagtgatt agcgtgacat 120
gacttttttt ttttttttt 138

<210> 18581
<211> 120
<212> DNA
<213> Homo sapiens

<400> 18581
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atggccgaca tcgcccgcg cttcttcgac gagggtctgga tcgacgcgcc caccgcgcgc 120

<210> 18582
<211> 292

<212> DNA

<213> Homo sapiens

<400> 18582
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 tgaaggctgc ccaatttgag ccacctggac gtcaaagatg tgccatcaga aagagacaac 180
 ttgaagaaac caacaatgcc tatgaaacag ctgacggcgg ctacatgact ctgaaccca 240
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<210> 18583

<211> 300

<212> DNA

<213> Homo sapiens

<400> 18583
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 cttggctggt ctgacccaag cagacctgga agtgtggggg agctaataac ccatgtggca 180
 ccccttgatg ccaaggaggt attggagcca atggaaaaac catcccttct tttattccct 240
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<210> 18584

<211> 147

<212> DNA

<213> Homo sapiens

<400> 18584
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 gcgctaccat gcctggctaa tttttgtagt tttagtagag acagggtttt gctatgttga 120
 ctaggctggt ctcaaaactc tgacctt 147

<210> 18585

<211> 101

<212> DNA

<213> Homo sapiens

<400> 18585
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 gtggtggctc atatctgtaa tcccagcact ttgggaggcc g 101

<210> 18586

<211> 136

<212> DNA

<213> Homo sapiens

<400> 18586
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<210> 18587

<211> 164

<212> DNA

<213> Homo sapiens

<400> 18587
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gactgagatt catgaggaaa tgctggtggt taggaggagt acgt 164

<210> 18588

<211> 182

<212> DNA

<213> Homo sapiens

<400> 18588
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gcatggtcat gttcttggtg agcgatcttc ctgccttggc ctcccaaagt ggtgggaata 120
caggcgtgag cgactgcgcc tggctctgacc tctgacatct aagtctcttc accactatct 180
ct 182

<210> 18589

<211> 293

<212> DNA

<213> Homo sapiens

<400> 18589
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aagcagctga gactacaggc gtgtgccacc atgcccagct agtttttga ttttttagtag 180
agatgggggtt tcaccatgct gaccaggatg gttttgatct cttgaccttg ggatccgccc 240
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<210> 18590

<211> 140

<212> DNA

<213> Homo sapiens

<400> 18590
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<210> 18591

<211> 65

<212> DNA

<213> Homo sapiens

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<210> 18592

<211> 75

<212> DNA

<213> Homo sapiens

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 tttgatgaga garat 75

<210> 18593
 <211> 73
 <212> DNA
 <213> Homo sapiens

<400> 18593
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 gaaaaaaaaa aaa 73

<210> 18594
 <211> 88
 <212> DNA
 <213> Homo sapiens

<400> 18594
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 tgcttggtca taaaacaagt cacaaaaa 88

<210> 18595
 <211> 198
 <212> DNA
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<400> 18595
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 ctgagcctcc ccagtagctg ggactacagg tgcccaccac cagcccagc taattttttt 120
 ttttgtattt ttagtagaga cgggggttca ccacgttagc aaggatggtc tcgatctcct 180
 gacctcgtga tcmaccct 198

<210> 18596
 <211> 116
 <212> DNA
 <213> Homo sapiens

<400> 18596
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<210> 18597
 <211> 233
 <212> DNA
 <213> Homo sapiens

<400> 18597
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 tactttccac agtaattaaa ctaatttata ctcccaccaa cagtgcacaa gtgttccatt 180
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<210> 18598

<211> 372
 <212> DNA
 <213> Homo sapiens

<400> 18598
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 gttgtccctt caatgtcttg attgttcatt tgcagaagaa acttttttagc ttgatataaa 120
 cccagttcta tttttttgct ttggttgccct gtgcttttga agtcgtatac aaaaaaaaaat 180
 tgccaagacc aatgtcctgg agcatttccc caatgttttc ttctagcagt ttcattgatgt 240
 caggyccttag attcaagtct ttaattcatt ttgatctgat ttttttggt atggtgagag 300
 attcagggtc tacttttcatt cttgtgtaca tagctctcta gtttttctag cactgtttct 360
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<210> 18599
 <211> 211
 <212> DNA
 <213> Homo sapiens

<400> 18599
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 gatcagggtat cttcttcagc agatgaaaca gaagatgaaa gatctgaagc tgaaaacggt 180
 gcagaaaatt tctctatatc taaccagct a 211

<210> 18600
 <211> 196
 <212> DNA
 <213> Homo sapiens

<400> 18600
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 tgagtgttct gcaaaggcca gtcagggtcaa actggttggc agtggtgttc aagtcttcta 180
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<210> 18601
 <211> 102
 <212> DNA
 <213> Homo sapiens

<400> 18601
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<210> 18602
 <211> 125
 <212> DNA
 <213> Homo sapiens

<400> 18602
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 ttttt 125

<210> 18603
<211> 223
<212> DNA
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<400> 18603
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tatgtgagat gggactctta aagacagcag acaggtaagt cttgtttttt aattcaactt 120
gccactctgt gccttttaag tgagacattt aggtcattta cagtcaaggt taatattaat 180
atgtgaggtt ttaatcctat catgaagttg ttagttggct gct 223

<210> 18604
<211> 211
<212> DNA
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<400> 18604
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ctgcactcca gcctgggcaw yagagccctg tctcaaaaaa aaaattatgg ccaaaatttt 180
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<210> 18605
<211> 106
<212> DNA
<213> Homo sapiens

<400> 18605
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cttgttttct gatttaaagc acttttaaat cttatcctgc ccccca 106

<210> 18606
<211> 112
<212> DNA
<213> Homo sapiens

<400> 18606
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gcctccatgc tgcaccctg gaactcacia caattcttga cccacacca gt 112

<210> 18607
<211> 151
<212> DNA
<213> Homo sapiens

<400> 18607
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atgctatccc tccccctcc cccgccccac t 151

<210> 18608
<211> 157
<212> DNA
<213> Homo sapiens

<400> 18608
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 tgggaggcca agatgggtgg attacctgag gtcaggagtt cgtgaccage ctggccaaca 120
 aggtgaaacc ccactcttac tgaaaaaaaa aaaaaaa 157

<210> 18609
 <211> 203
 <212> DNA
 <213> Homo sapiens

<400> 18609
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 agctggaact acaggtgcat gcctccacac cgggcttttt ttcttttttt tcttttttagt 120
 agagactggg atcttgacat attgcccagg ctggtctcaa actcctgggc tcaagcgatc 180
 cacckctctc atcctccac agt 203

<210> 18610
 <211> 205
 <212> DNA
 <213> Homo sapiens

<400> 18610
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 tgctcaagat cactaatcat cagagaaatg caaatcaaaa ccacagtgag ataccatctc 120
 gcattagtca gaatggctat tactaaaaag tcaaaaaata acagatgctg gcaagggtgc 180
 agagaaaaag gaaggcatat acact 205

<210> 18611
 <211> 211
 <212> DNA
 <213> Homo sapiens

<400> 18611
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 ggggtgtgat gcacagacct gtggtcccag ctactctgga ggctgaggcg ggagagtggc 120
 gtgagctggg aggcggastt gcagtgaatt gagatggcgc cattgcactc cagcctgggc 180
 gagagtgaga ctccgtctca maaaaaaaa a 211

<210> 18612
 <211> 404
 <212> DNA
 <213> Homo sapiens

<400> 18612
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 ataaagtaga tgttccagaa agtcaaaatc tataaacgga agaaagtggg atatttttag 120
 ctcaggaagc tttgtgggta tccattctgg atttcctttc cagaattttg cacacctcca 180
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 cttaggtgag gcagartent gctgtcgccc aggatggagt gcggtggcac agtcttggcc 360
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<210> 18613

<211> 227
 <212> DNA
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<400> 18613
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 tttkatctcc catttcattg agacaactga aaccatcaga agaagacttt gataaacttt 180
 taccatgcta tctagctacc tgtkaccatc tackatctac tgcccac 227

<210> 18614
 <211> 52
 <212> DNA
 <213> Homo sapiens

<400> 18614
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<210> 18615
 <211> 236
 <212> DNA
 <213> Homo sapiens

<400> 18615
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 ttggtgagct gcttctgttt gttatcccca tctttcctca aatctgtgaa gtttttgac 120
 attattcctc cccattaact gtgtattttt ctctttttat tcttctgaag tttctacaat 180
 acatatattg gtctacttaa tggaggctca taagttcctt acttcttttc tctttt 236

<210> 18616
 <211> 376
 <212> DNA
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<400> 18616
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 aatgccataa cagttgrgat agttttcctg gaaatgaaat gagaggattg agaaatattt 120
 tagtatataa aacaagcatc attaatgaat gatcagatgg gtgggagaga tgtagtgaa 180
 ggaaagaagt ttaggatgac tcctgtgttc ctggcctcta ttaaataatat ttttatgttg 240
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 gaattaattt gttaayarat caattgattt gaactgtatt tttgagggtg ttacttaaga 360
 ttgagtttga ggcata 376

<210> 18617
 <211> 58
 <212> DNA
 <213> Homo sapiens

<400> 18617
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<210> 18618
 <211> 286
 <212> DNA

004220" 666CT560

<213> Homo sapiens

<400> 18618
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 ttccacatcc ttgccaacac ttggtataat cagttaattt ttctttttcc tttttgattt 180
 attttatttc aagacagga ctcagtttgt tgcccaggct agagtgcagt ggtgtaatca 240
 tagcksacta taacctgggc aacagagtga gactctgtct cagaaa 286

<210> 18619

<211> 193

<212> DNA

<213> Homo sapiens

<400> 18619
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 aaaattagcc gggcggtggtg gcatatgcct gtaatcccag caactcgga ggccaaggca 120
 tgagaattgc ttgaacctgg gaggcggagg ttgcagtgc ctgagattgc gccactgcac 180
 tccagcctgg caa 193

<210> 18620

<211> 170

<212> DNA

<213> Homo sapiens

<400> 18620
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 ggggtttcac tgtgttagcc aggatgggtc cgatctcctg acctcgtgat ctgcccacct 120
 cagcctccca aagtgtctga attacaggcg tgaaccaccg caccgagcc 170

<210> 18621

<211> 120

<212> DNA

<213> Homo sapiens

<400> 18621
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 cccagagtgc gcgagtgggtg tggggagga gagcctctct cccccttttc tgtgtvaaga 120

<210> 18622

<211> 113

<212> DNA

<213> Homo sapiens

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 gaatggtttt gagaaaaaaa aattattaaa tacagggtgg gtctcaccat gtt 113

<210> 18623

<211> 136

<212> DNA

<213> Homo sapiens

<400> 18623

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 ttcacatccc ttgaaacaaa aacagctttt agtagactga caaagtaaac tttctagttc 120
 tgcaaacac aaattt 136

<210> 18624
 <211> 113
 <212> DNA
 <213> Homo sapiens

<400> 18624
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<210> 18625
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 <212> DNA
 <213> Homo sapiens

<400> 18625
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 gtctaagtct ctttgcaggt ctctaagagc ttgctttatg aatctgggtg ctctgtatt 120
 ggggtgcacat gtattcagga taattagctc ttcttgtttc attgatccct ttaccattat 180
 gtaatgccct tctttgtgtt ttttagagctt tgttggttta aagtctgttt tatcagagat 240
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 cc 302

<210> 18626
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 18626
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 attctataga cagaaaagag tcaggaaatt ccttgaaaag tgcagtctta atgagagtgt 120
 tccttccaaa cccacttcc accacaatca actaccaggt ttgaggtgga ttctgattga 180
 aattaa 186

<210> 18627
 <211> 282
 <212> DNA
 <213> Homo sapiens

<400> 18627
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 ttcgatgata attccattcg attctatgcy atgattccat tcctttccat tagaagatga 180
 ttccattcga gaccattcga tgattgcatt caattcattc gatgacgatt ccattcaatt 240
 ctgttcaatg attccattag attccatttg atgatgattc ca 282

<210> 18628
 <211> 146
 <212> DNA
 <213> Homo sapiens

<400> 18628
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 attgaaatag gwatccttcc cccaat 146

<210> 18629
 <211> 80
 <212> DNA
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<400> 18629
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 atcataatct tttttttttt 80

<210> 18630
 <211> 222
 <212> DNA
 <213> Homo sapiens

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 aagagctgtg tgttcatgga aattgtataa ccgtgagtag aaatggtttt gcagctcttt 120
 gtaacatgaa tttgacttcg atgtggncat gatttatata aaaatagttt taaagtatat 180
 gaaaatatga tctcttaaat gttatcaaat gtagccgcag aa 222

<210> 18631
 <211> 201
 <212> DNA
 <213> Homo sapiens

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 ttcttacctt tcaactgtttg cctgagttga agtcattgcb cacattgtac agtcactgtt 180
 gtttctgtg tggttgttta t 201

<210> 18632
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 18632
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 cgtcacctat aaagacacac ctagactgaa aataaaggga taggaaaagt cattctatgc 120
 aaaatggaaa ctacaaaaga acagagtagc ragtatttgt atcaaacaga tttta 174

<210> 18633
 <211> 83
 <212> DNA
 <213> Homo sapiens

<400> 18633
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 ttttatccct tatctccctc gaa 83

<210> 18634
 <211> 59
 <212> DNA
 <213> Homo sapiens

<400> 18634
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<210> 18635
 <211> 205
 <212> DNA
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<400> 18635
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 gcctggccaa catggcaaaa ccccatctct actaaaaata caaaaattag ctgggcatgg 180
 tgacacgtga ctgtaatccc agcta 205

<210> 18636
 <211> 436
 <212> DNA
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 acaaaactcac matcttaact ttattattdb cttgwatttg gtagcataatc tttcttaaat 180
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 tgctggattt gttcattttc ttcatacaagc aaatctgaga tctgtccttt gggaagttaa 300
 gcttctttgc agttactgat atttctgawa cctcatattg tgctttatit actaaacttc 360
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 taaaaagcta tttaat 436

<210> 18637
 <211> 99
 <212> DNA
 <213> Homo sapiens

<400> 18637
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 tagataatgg tgccaagtgt taaattactt tatgtttaa 99

<210> 18638
 <211> 116
 <212> DNA
 <213> Homo sapiens

<400> 18638
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<210> 18639

<211> 203
 <212> DNA
 <213> Homo sapiens

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 gcctatagtc ccagctacta gggaggctga ggcattgagaa ttgcttgaac ccargaggcc 120
 arrgggttsc agaragccga gatmactcca ttacactcca gcctggacaa caagagcaaa 180
 actctgtctc acaaaaaaaaaaaa aaa 203

<210> 18640
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 18640
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 tgwatttctc aatatadatg arggatawat awatttgagt atgttggttag ggggt 174

<210> 18641
 <211> 222
 <212> DNA
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<400> 18641
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 catmaacaac attagccagc ccacactgcc ccagaaatta tctgtgaggc agaaatgaat 180
 gtggcaatag ccaccccttg cccaatgtct catgcctaag aa 222

<210> 18642
 <211> 88
 <212> DNA
 <213> Homo sapiens

<400> 18642
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 tgatacagag gccgccacgg agcccaac 88

<210> 18643
 <211> 139
 <212> DNA
 <213> Homo sapiens

<400> 18643
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 gtttctgtca atttctttt 139

<210> 18644
 <211> 307
 <212> DNA
 <213> Homo sapiens

<400> 18644
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agggtttcagt gagatgtgac actagagaga atgcctcaga tatttcttgm wwwcaactga 120
atgactcvtc ctatgacagc ttggaaaatg agctaaatga ggatgttgat gcaccatgca 180
gtgacttggt aaagaaactt ggccagggga gcagaagcat ggactctgtc ttaavnmtea 240
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tggccca 307

<210> 18645
<211> 88
<212> DNA
<213> Homo sapiens

<400> 18645
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cttttttttt tttttttttt tttttttt 88

<210> 18646
<211> 117
<212> DNA
<213> Homo sapiens

<400> 18646
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gmaggagcct tgcctctcag gtggcgggct ctgcgaccct gcgagatgga cgggaca 117

<210> 18647
<211> 64
<212> DNA
<213> Homo sapiens

<400> 18647
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acga 64

<210> 18648
<211> 215
<212> DNA
<213> Homo sapiens

<400> 18648
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ttatttttat tatactttaa gttttagggg acatgtgcac attgtgcagg tkagttacat 120
atgtatacat gtgctattgc tgggtgcgctg caccactaa ctcgatcatc agcattaggt 180
atatctccca atgctatccc tccccctcc cacct 215

<210> 18649
<211> 145
<212> DNA
<213> Homo sapiens

<400> 18649
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agasatgggg atccagttta atcttctaca tgtggcttgc cagttttccc agcaccgttt 120
attgaatagg tatcctttcc ccaat 145

<210> 18650
<211> 167
<212> DNA
<213> Homo sapiens

<400> 18650
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gtttcaccgt gttagccagg atggtctcca tctcctgacc tcgtgatctg cgcacctctg 120
cctcccgaag tgctgggatt acaggcgtga gcactgcgcc cggcctt 167

<210> 18651
<211> 270
<212> DNA
<213> Homo sapiens

<400> 18651
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ggtttttctt tttgggaagc ttttacagta ttaatgtaac attttggtat gtgtcttcag 120
atttntaat tcttcttgag tcagttttcg tagtttggt ttttctagga atttgtttca 180
tctaagtgtc taactcattg gcacaccgtt gttcatatat tttcttataa tcctcattat 240
ttataaaaag tccttaataa catccccctc 270

<210> 18652
<211> 138
<212> DNA
<213> Homo sapiens

<400> 18652
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taggtgcacc ccactatacc tggctaattt ttatattggt tttgtagaga tgggattttg 120
ctatgttgcc caggcttt 138

<210> 18653
<211> 362
<212> DNA
<213> Homo sapiens

<400> 18653
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ggaggcgsma gttgcagtag tgcaatctcg gctcactgca acttccgcyt cccaggttca 180
agtgattctc ctgcctcagt ctctgagta gctgggacta gaggcattgt ccaccacact 240
cagctaattt ttgtattttt tgtagagacc gggtttcagc atgttggcca ggatagtctc 300
aatctcttga cctcgtgatc cgcccacctc agcctcccaa agtgctggga ttacaggcgt 360
ga 362

<210> 18654
<211> 210
<212> DNA
<213> Homo sapiens

004220" 6667560

<400> 18654
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 nsatgactgg gaagaaaggg ttgagtttgm gttgagtcag hagtcaaag gggacccaaa 120
 ttactattag taaaggtaac aatattttct gcawtwcaga ggtagtttct atawtatatg 180
 caagthmctt tgatgcataa awatgttttt 210

<210> 18655
 <211> 83
 <212> DNA
 <213> Homo sapiens

<400> 18655
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 ggtaaatgaa ataaagtttt ttc 83

<210> 18656
 <211> 110
 <212> DNA
 <213> Homo sapiens

<400> 18656
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 gcctgtgagc tggcagcatg cagctgagga tggctttgaa tgcggccgct 110

<210> 18657
 <211> 308
 <212> DNA
 <213> Homo sapiens

<400> 18657
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 ctacagccaat ccacacacct tggcttccca aagtgcctagg attataggca tgagccactg 120
 cayycaacct agttttgatc tttctatgcc tactttgttg agattttttt tttatcatga 180
 aggggtgttg aattttatta aattcttttt ctatctctat tgagtggata caggcactgc 240
 atcttaccac atcaaaaagg aacaactgag gaagctaaaa cactgagttt tgtgtctccc 300
 cccttcaa 308

<210> 18658
 <211> 88
 <212> DNA
 <213> Homo sapiens

<400> 18658
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 cccgagtgcga atggaatgga gtggacac 88

<210> 18659
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 18659
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gcatcagaga agctgcaagg atgcctcaag agaccagccg ccagcacagg cctcaaaggc 180
 aggtgcaccc ctgcgaggac gcatggctcg ggtggctcct gggagcctct ggaaggggag 240
 tcatcagccc tgcccacc 258

<210> 18660
 <211> 123
 <212> DNA
 <213> Homo sapiens

<400> 18660
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 ttgttgctgt gatcattgat tcatttatgt gtattgtgtt cttccagtg ttgcaaatgg 120
 gga 123

<210> 18661
 <211> 129
 <212> DNA
 <213> Homo sapiens

<400> 18661
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 ttgttcactg atgatatgat cttatatctg gaaagcccta aagactcctc tttctatttg 120
 gatatgttt 129

<210> 18662
 <211> 145
 <212> DNA
 <213> Homo sapiens

<400> 18662
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 gtgctgggtt ctcagctaca tgtggcagag tgcactctct ggttttagta acaggattaa 120
 atctmacttg agacctccag caggc 145

<210> 18663
 <211> 275
 <212> DNA
 <213> Homo sapiens

<400> 18663
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 caagatcacc aaaatgtgga aatttggtga agctgggatg agtaccag agtctattat 120
 gtctactctg gtgaatgttg gaaaagtggc aaaattaaaa gtaaaaaatt tgagagaata 180
 ggatagatga accatttggt ctttttaata gtaactgat ttttcaacaa agatgcttat 240
 tcatcaccta tattaattaa cagggttttt ttgt 275

<210> 18664
 <211> 172
 <212> DNA
 <213> Homo sapiens

<400> 18664
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 gaggctgaag cagaagaatc acttgaaccc aggaggcaga ggttgtagtg agccgagatc 120

gcgtcactgc actccagcct gggtagacaga atgagactcc atctcaaaaa aa

172

<210> 18665
<211> 194
<212> DNA
<213> Homo sapiens

<400> 18665
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ggagactgag gtaggagaat tgcttaaacc cgaggagcag aggctgcagt gagccgagat 120
tgcactactg cactccagcc tgggtgatag agcaagaccc cgtcttgga aaaaaaaaaag 180
ttaaaaaataa ataa 194

<210> 18666
<211> 169
<212> DNA
<213> Homo sapiens

<400> 18666
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ttcaccatgt wggccaggct ggtctcaaac tctgacctc aagtgatcca catgcctwag 120
cctcccaaaa wgctgggctw acagccatga gcctctccac ctggccgat 169

<210> 18667
<211> 336
<212> DNA
<213> Homo sapiens

<400> 18667
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tgttcatagt agccttgaat aatcttttgt atttctgtgg tatcagtaat agtatctcct 120
gttttggttc taattgagtt tatttgcact tctctcctct tttcttggtt aatcttgcta 180
atgggtctatc agttttatct atcttttcaa agaaccagct ttttatttca tttagctttt 240
gtattttttt gcagttggtt taatttcatt tagttctcct cttatcttag ttattccctt 300
tcttttgctg ggttttggtt ctgtttggtt ttgtctm 336

<210> 18668
<211> 245
<212> DNA
<213> Homo sapiens

<400> 18668
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tttatgtaga ttaaaccctt acattagaag agtttacaac aaagatgggtg ydkcttcctt 120
ttgctttctg aggacaccta ctctgtatct gagtaacttt caataaacta tctccttctc 180
actgcactct gtgactcacc ttttaatttct tctgtgcaa gatccaagaa tactcttttg 240
gggtc 245

<210> 18669
<211> 185
<212> DNA
<213> Homo sapiens

<400> 18669

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 aaatcatatc atttagcttt gtaagaaatc accaaactgt cttccaaagt gcctgtgcca 120
 tttttgcatt attataccag caattaataa gagtccttgt tattctgtgt ttgctgatca 180
 tatat 185

<210> 18670
 <211> 126
 <212> DNA
 <213> Homo sapiens

<400> 18670
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 ggccgagggc gacggatcac ttgaggyacg gagttcaaga ccagcttggc caacatggca 120
 aaaccc 126

<210> 18671
 <211> 86
 <212> DNA
 <213> Homo sapiens

<400> 18671
 ataggttttt ttcccytaag attttcctta tataagatca tgccattgca cccagcctg 60
 ggcgacagag caagactccg tctcaa 86

<210> 18672
 <211> 173
 <212> DNA
 <213> Homo sapiens

<400> 18672
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 taattttcag tgcacaaatc ttgcacctct tggtttaaat ttattcctat gtattttatt 120
 attttttatg ctattataaa tagaattgtt ttcttttttg actttttttt ttt 173

<210> 18673
 <211> 112
 <212> DNA
 <213> Homo sapiens

<400> 18673
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 tgcctcagcc tcccaagtag ttgggactac aggcatgtgc caccacgcc tc 112

<210> 18674
 <211> 111
 <212> DNA
 <213> Homo sapiens

<400> 18674
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 atgtatgttg tgaatgggtg thtggcttca attctgggtg cwatcagaac t 111

<210> 18675
 <211> 172

<212> DNA
<213> Homo sapiens

<400> 18675
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gggtcattac aacctccacc tcccaggtcc aagcgattct cctgagtagc tgggattgca 120
ggcatgtgcc accatgccca gcyaatthkk gtatttttag tagagacggg ga 172

<210> 18676
<211> 117
<212> DNA
<213> Homo sapiens

<400> 18676
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gatcggacca ctgcactcca actccagcct ggtgacaga gtgagactct tgtctca 117

<210> 18677
<211> 288
<212> DNA
<213> Homo sapiens

<400> 18677
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aatccctttt agaaagtgc tgaaaatggt aaaggaactc atcagaatct tagcgttctt 120
aagttcwtg rwaawttkag tawatkknat taatgawgtc caacacctct aagattgttg 180
agaaaacatg aagaattgag gttactcttc tcaggtgaca ctttaaata taaaatcann 240
ggcttcctga acaaaacaaa ttgcaaaaata gcgataatgg caggggtt 288

<210> 18678
<211> 74
<212> DNA
<213> Homo sapiens

<400> 18678
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gagtacaatg cagt 74

<210> 18679
<211> 117
<212> DNA
<213> Homo sapiens

<400> 18679
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ggyaatcagc ccgccttggc ctcccaaagy gctgagatta yaggyatgag ccaccgt 117

<210> 18680
<211> 218
<212> DNA
<213> Homo sapiens

<400> 18680
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acagacagat	gtttatgcag	atcatttggg	ctggcattat	cggcacaaata	gaactgaaaa	120
ggatgttagc	cgraaaaggt	cactcataga	cgttggtact	acagtttaac	agactggata	180
gaatttgagg	agatagctga	tctggaagaa	cggggcaa			218

<210> 18681
 <211> 163
 <212> DNA
 <213> Homo sapiens

<400> 18681						
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catggaaygc	mmtggaaatgs	matcatccgk	aatggaatgg	aaaggaatgg	matggaatgg	120
matggaatgg	matcaactcg	attgcaatcg	aatggaatgg	aat		163

<210> 18682
 <211> 167
 <212> DNA
 <213> Homo sapiens

<400> 18682						
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attgtgccat	tgtactccag	cctggagacg	gagcgagact	ccgtctcaaa	caaacataaa	120
aatctgtcat	amttwacrac	cttatgttaa	tgaaaaacga	gagaatt		167

<210> 18683
 <211> 100
 <212> DNA
 <213> Homo sapiens

<400> 18683						
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ccaggatggt	cttgatctcc	tgacctcgtg	atccgcctta			100

<210> 18684
 <211> 223
 <212> DNA
 <213> Homo sapiens

<400> 18684						
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ctagtgtctac	ttgggaggct	gaggctggag	gatggcttga	gctcagaagt	ttcaggctgc	120
atggctcamt	gcygggctca	atgcagcctg	gaattcctgg	gctcaaatca	tcctccagcb	180
tcagcctccc	aagtagctgg	gaatacaggc	atgcaccgca	aca		223

<210> 18685
 <211> 265
 <212> DNA
 <213> Homo sapiens

<400> 18685						
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taaagtagcc	cacaaagtgt	tctgttgtgt	ttttatgttt	ctaaactctt	ttaaaaatgt	120
aaatatgttt	aaagramctt	ttagaathat	ttttatcaga	attatgtatt	tggggttttg	180
atctttcagg	attcaacact	ggggattatg	ggatcagaaa	ctatcttttg	ggattctggc	240

ccaaacctct agccttgtag cctct

265

<210> 18686
<211> 102
<212> DNA
<213> Homo sapiens

<400> 18686
catcgatggt ctttacaatt tggcatgttt ttgcagtggc tggtagcagt tgttcctttc 60
catgttttagt gcttccttca ggagctcttt tagggcaggc ct 102

<210> 18687
<211> 100
<212> DNA
<213> Homo sapiens

<400> 18687
acttccggct cggccgaggc actgcggacg gcttccgggt ttgggcctgg ctctgtgact 60
gaggcggcgg cgggtggcggc caagcgggat acgggcggtc 100

<210> 18688
<211> 162
<212> DNA
<213> Homo sapiens

<400> 18688
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gcatgatctc ggctcactcc aacctctgcc ttccagggtc aagcgattct actgccttag 120
ccyccctaga agctgagatt acaggtgcat gccaccacgc cc 162

<210> 18689
<211> 107
<212> DNA
<213> Homo sapiens

<400> 18689
accgctttkt ttykcttttg agatggagyc ttgckckgtd gcctaggcyg gaggcagtg 60
gcatgayctc ggctcactcc aacctctgcc ttccagggtc aagcgat 107

<210> 18690
<211> 68
<212> DNA
<213> Homo sapiens

<400> 18690
ctgggtcctg gtttttgaag gatacttatt tgcagaagtt gtacaaagtg cagacagtcc 60
tgaccaac 68

<210> 18691
<211> 103
<212> DNA
<213> Homo sapiens

<400> 18691

aatcacagct cattgaagcc tcaaactcct gggctccagg aatcctccca ccacagtctc 60
tcaaatactt gggactacag gtatgcacca ccacaccga cca 103

<210> 18692
<211> 227
<212> DNA
<213> Homo sapiens

<400> 18692
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tccttctgcc ttgttccttt tcctcatgat tgctttggct attcaaagtt tattttaatt 120
tcatgtaant tttagaattg tattttccat tactgtgaaa aaatacaact gcaatttaga 180
taagaagttt cttcaatcta tagatcactt tggataacat ggtgcca 227

<210> 18693
<211> 97
<212> DNA
<213> Homo sapiens

<400> 18693
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magagaaasm agatcttggc gatgaggatg aggcaga 97

<210> 18694
<211> 108
<212> DNA
<213> Homo sapiens

<400> 18694
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ccaccggagc cttgccaatt ccgtttgttt ccctgtwgtc gcccgctc 108

<210> 18695
<211> 128
<212> DNA
<213> Homo sapiens

<400> 18695
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ttttaatttt tgtagagaca ggatcttgw aggttgccca ggctggwctc aaattcctgg 120
cctcaagc 128

<210> 18696
<211> 190
<212> DNA
<213> Homo sapiens

<400> 18696
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attatgttat tattgaattt gccccattta ttggaattat aaactgcaat cccccaacta 120
caagaaakta tgagctctga tgagataaga gtaaagatga atcagaagtg aaaacagtcc 180
tccaaccccc 190

<210> 18697

<211> 84
 <212> DNA
 <213> Homo sapiens

<400> 18697
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 ccgggaccag ggtcttcaag aagt 84

<210> 18698
 <211> 137
 <212> DNA
 <213> Homo sapiens

<400> 18698
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 ggatgggaag gccattgtga ctatgtggtg attacagttg tcttactact gagtttcccta 120
 cygaaaatca tgragra 137

<210> 18699
 <211> 247
 <212> DNA
 <213> Homo sapiens

<400> 18699
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 gtttgaaatt ttccataata aaaaacttag aaaaaatgtc atgnnacatt attgaaagag 120
 gatctctgca gcacwaggtg acaactggtg awaaaatgta taaaatgtgt tcagaaggat 180
 ggatgtgagt aacacacagg tgttaaacgc acctaacgtg taaatgtatt ttgtttttct 240
 tcagagc 247

<210> 18700
 <211> 124
 <212> DNA
 <213> Homo sapiens

<400> 18700
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 aacatgataa acacttttagt gcacactgtg tacaggaggg amagcdagag ggcaggactt 120
 gaca 124

<210> 18701
 <211> 158
 <212> DNA
 <213> Homo sapiens

<400> 18701
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 acataggtat acacgtgccca tgggtggttg ctgcacccat caatccatca tctacattag 120
 gtatttctcc taatgctctc cctcctcttg cccccaca 158

<210> 18702
 <211> 51
 <212> DNA
 <213> Homo sapiens

004220" 666T560

0051399.022400

<400> 18702
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<210> 18703
<211> 142
<212> DNA
<213> Homo sapiens

<400> 18703
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aataaaatgc tcaggcttct ggaatttctt tgtagatgcc aatttttagt gacttgagtg 120
aatgggtgg aggttgagg at 142

<210> 18704
<211> 230
<212> DNA
<213> Homo sapiens

<400> 18704
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tgtgtagttg tggttcattc tgtttgctgt gcagtatact attttgtgat tattcatata 180
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<210> 18705
<211> 126
<212> DNA
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<400> 18705
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<210> 18706
<211> 134
<212> DNA
<213> Homo sapiens

<400> 18706
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tgtcamggtg gaca 134

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<211> 152
<212> DNA
<213> Homo sapiens

<400> 18707
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cgctcccgag gttcaatcaa ttctcccgct gt 152

<210> 18708
 <211> 136
 <212> DNA
 <213> Homo sapiens

<400> 18708
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 gggtcttaga gtccaccag ggaatttttt atctgtctag tctgaacctg aggtggtaag 120
 agattaaaaa atgctt 136

<210> 18709
 <211> 216
 <212> DNA
 <213> Homo sapiens

<400> 18709
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 gctacttggg aggctgaggg aggagaaatg gtgtga 216

<210> 18710
 <211> 146
 <212> DNA
 <213> Homo sapiens

<400> 18710
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 tcacagtcce aagacagctc tgagca 146

<210> 18711
 <211> 133
 <212> DNA
 <213> Homo sapiens

<400> 18711
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 aatttatatt tac 133

<210> 18712
 <211> 190
 <212> DNA
 <213> Homo sapiens

<400> 18712
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 ctccccacac 190

<210> 18713

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<211> 189
<212> DNA
<213> Homo sapiens

<400> 18713
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tcctakwtaa raattttaaa cacttgacc aaagcctttt agtccctctt cccaccctt 180
caccacct 189

<210> 18714
<211> 145
<212> DNA
<213> Homo sapiens

<400> 18714
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tatcaaccgg tcattctagg ttttaagcccc acatgcatta ggtatttgct ctgatgstct 120
ycccmacca tgcccctcac cccct 145

<210> 18715
<211> 106
<212> DNA
<213> Homo sapiens

<400> 18715
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cttaatgcac ctttttaggt tccttaacaa tagcagtttt aacatt 106

<210> 18716
<211> 107
<212> DNA
<213> Homo sapiens

<400> 18716
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gyggccggga gcgcccctcg cctcgctcct cgctccgctt ggtgtca 107

<210> 18717
<211> 111
<212> DNA
<213> Homo sapiens

<400> 18717
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ctcctaagtc tagatgatga gttagtgggt gcagcgcacc agcatggcac a 111

<210> 18718
<211> 108
<212> DNA
<213> Homo sapiens

<400> 18718
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gagatctggc ttttgcaaca gcccaccccc tttgagatca ctctggcc

108

<210> 18719
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<212> DNA
<213> Homo sapiens

<400> 18719
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yggttgagtt tgctgagcac 140

<210> 18720
<211> 421
<212> DNA
<213> Homo sapiens

<400> 18720
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gttgactatt gaaatttcag ctagataatt ctttactgtg ggagcagttc tatgcaatgt 360
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c 421

<210> 18721
<211> 84
<212> DNA
<213> Homo sapiens

<400> 18721
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tggaatggaa tcaacgagat tgca 84

<210> 18722
<211> 270
<212> DNA
<213> Homo sapiens

<400> 18722
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ctgcttctgg gttcaagtga ttctcctgcc tcagcctcct gagtagctgg gattacaggc 120
acctgsmacc acacctggct aatttttgta ttttagtag agatgggggt tcaccatggt 180
ggccagnctt gtctcaaact cctggcctgc ctgggctgca ggggttgggg tgggtgatgg 240
tttggaagt cataatcagt tgaaccacaga 270

<210> 18723
<211> 197
<212> DNA
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<400> 18723

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 tttctacaga gagatcagct gttagtctga tgggcttccc ttcgtgggta acccaacctt 180
 tctctctggc tgcccaa 197

<210> 18724
 <211> 131
 <212> DNA
 <213> Homo sapiens

<400> 18724
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 tttgccatgt tggccaggct ggtctcaaac tcctgacctt aagtgatcca cccccacccc 120
 cccgccccaa t 131

<210> 18725
 <211> 131
 <212> DNA
 <213> Homo sapiens

<400> 18725
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 aaasccccgt c 131

<210> 18726
 <211> 249
 <212> DNA
 <213> Homo sapiens

<400> 18726
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 aaaccagaa rggasycaag ctctgagacc aaaagttgac cctcgggwag gttgtcctg 180
 mctggggccc cacttgaagg aggcaggamm gaggcaccga ggccaggag acgccaacg 240
 agcagccc 249

<210> 18727
 <211> 107
 <212> DNA
 <213> Homo sapiens

<400> 18727
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 atccattgca ctccgattw gctgacccw gcgattwccc caaatgt 107

<210> 18728
 <211> 106
 <212> DNA
 <213> Homo sapiens

<400> 18728
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 atctatccca cctgtacctt aggctctgat taggacttag aatact 106

<210> 18729
 <211> 110
 <212> DNA
 <213> Homo sapiens

<400> 18729
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 atgtwytaty gwgggyaaaat atatgtaaca aaatctacca ttttaactat 110

<210> 18730
 <211> 126
 <212> DNA
 <213> Homo sapiens

<400> 18730
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 atctaa 126

<210> 18731
 <211> 154
 <212> DNA
 <213> Homo sapiens

<400> 18731
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 aaacaaaaca acttttgtaa tagcagcagc gtattagaat ctaaaatacg cctttgttct 120
 tttaaaagat aacattaaag agatttttgc ggga 154

<210> 18732
 <211> 251
 <212> DNA
 <213> Homo sapiens

<400> 18732
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 ccagcgcttt gggaggctga ggtgggcaga tcatgaggctc gggagatcgg gaccatcctc 120
 abcctcccaa gcagctggga ctacaggcgc atgcaaatga gctaagtttt gtattttttg 180
 tagagatgag gtttgccatg ttgccagac tggctctctaa caaataaatt aaacannttc 240
 ctgacacaag a 251

<210> 18733
 <211> 242
 <212> DNA
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<400> 18733
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 tcctgaaagt tgtccagggc tgtgggaaaa aagttgaata ttccagtga agttctattg 180
 acactaaagc taacactgaa tcaactcaact atcccagcct atgctttttt tttttttttt 240
 tt 242

<210> 18734
 <211> 389
 <212> DNA
 <213> Homo sapiens

<400> 18734
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 gaattgtggc atttgatcac ttgtaaatga ctgaggggga ttttactatt gaaagatggt 180
 ggcaccattt ttttccctc attcttttaa cacttttgct attcctgaaa cctggtagaa 240
 aaccattatc tcgaagnnag tgttagtttt caagcgaagt ataagataaa gggcttcttt 300
 gtatgtacat attcttgga gaaggggaatt attgcctttg acctaaaagg aagaggctga 360
 ggcacaaaat atatttgaag agtttactt 389

<210> 18735
 <211> 127
 <212> DNA
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<400> 18735
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 caggtaatcc tcccacctcg gctcccaaa atgctgggat tactggcgtg agcaccttgc 120
 ccggcct 127

<210> 18736
 <211> 397
 <212> DNA
 <213> Homo sapiens

<400> 18736
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<210> 18737
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 <212> DNA
 <213> Homo sapiens

<400> 18737
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 ccctgctgat cwgcctttca tttwtcwtca gaagtaactc agctagaaga tgaataccaa 180
 ttacagtttt ctggggtgag ctagaaggaa actggtaagc ttggaaagct tgtctatggc 240
 cc 242

<210> 18738
 <211> 155
 <212> DNA
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<400> 18738
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 accttcacct cctgggttca agcgattctc ctgcctcagc ctcttgagta gctgggatta 120
 caaccgtctc agtgctgtgc cccccccaga gccta 155

<210> 18739
 <211> 186
 <212> DNA
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<400> 18739
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 ccagctactt aggaggctga ggcaggagaa tcccttgaa ctaggaggtg gagcttgacag 120
 taagcccaga tcaggccact gcactccagc ctgggtgaca gagcaagact ccgtctcaaa 180
 aaaaaa 186

<210> 18740
 <211> 301
 <212> DNA
 <213> Homo sapiens

<400> 18740
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 ttatagtgtc aatgggtctat gtattttaagt gtgtttttgt ggtggctggt aacagtcttt 240
 aatttctatg tttagckctc ctttctggac ctcttgtaag gcacatctgg tggttaacaaa 300
 t 301

<210> 18741
 <211> 114
 <212> DNA
 <213> Homo sapiens

<400> 18741
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 gaaggggtcc agtttaagtt ttctgcataat ggctagccat ttctocctgc acca 114

<210> 18742
 <211> 97
 <212> DNA
 <213> Homo sapiens

<400> 18742
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 actatctttt gggtcttaat tttttttttt ttttttt 97

<210> 18743
 <211> 151
 <212> DNA
 <213> Homo sapiens

<400> 18743

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 aacaaaaaat tatcacaag catcaaactt c 151

<210> 18744
 <211> 214
 <212> DNA
 <213> Homo sapiens

<400> 18744
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 gaggtgtgtg gatcacaagg tcaggagtgc aagaccagcc tggccaagat gatgaaacct 120
 cctctctact aaaaatacaa aaattagcca cgcacggtgg caggcgcttg taatcccagc 180
 tactcgggag gctgaggcag gagaatcgct tgaa 214

<210> 18745
 <211> 63
 <212> DNA
 <213> Homo sapiens

<400> 18745
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 atc 63

<210> 18746
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 <212> DNA
 <213> Homo sapiens

<400> 18746
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 tatatagggt tattatatag gtgtattatc tgtacacttg caccacaggg gtttggtgta 120
 cagataattt kgttgcccac gcactaagca tagaaccgaa taggtatytt tttaaattat 180
 ctcccc 187

<210> 18747
 <211> 262
 <212> DNA
 <213> Homo sapiens

<400> 18747
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 ctgagatgga gccactgcac cccagcccag gtgatagagc aagactttgt ctcaaaaaaa 180
 taarataraa ttaaggrcca acyawychta aaawtaggcc gagscggrag ggmccacmag 240
 akktctgtcc aacatggtga aa 262

<210> 18748
 <211> 119
 <212> DNA
 <213> Homo sapiens

<400> 18748
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119

<210> 18749
<211> 207
<212> DNA
<213> Homo sapiens

<400> 18749
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aaccctcac ctaggtgtta agcccagcat gcactagcta ttttgsctca ggctcttvcc 120
ycchtaacct cmamccccat caacmrgccc cagtgtgtgt tgttcccctc cctgtgtcca 180
tgtgttctca ttgttcagcc cccacta 207

<210> 18750
<211> 338
<212> DNA
<213> Homo sapiens

<400> 18750
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tatgtaatct gaattggtac aacttcctct gcrwgttaagt aaaaggagcc atataccawa 120
atltamtttc cavgactta macaaaataa gatttatattg aattaataaa ttgggatttt 180
cattctttct ttcataattta tactctttca tmtcagggtt tcttgcacaa gttttagatt 240
tttaattctg ctggaagccg tataggcaga ttwmgtcaac tatactctct catctgatag 300
agagtttccc ttccttcctt ccttcmctcc maccctct 338

<210> 18751
<211> 99
<212> DNA
<213> Homo sapiens

<400> 18751
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tgtttcattt cattcatttg ctcttcaatc cctgacacc 99

<210> 18752
<211> 289
<212> DNA
<213> Homo sapiens

<400> 18752
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ctcattgttc aattcccacc tatgagtgag aacatttgat gtttggtttt ttgtccttgc 120
matwartttr ctgagaatga tggtttccag cttcatccac gtccctacaa aggacatgaa 180
ctcatccttt ttatggctgc ataaggagta catgtgaaga tttgttatat aggtaaactc 240
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<210> 18753
<211> 233
<212> DNA
<213> Homo sapiens

<400> 18753
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0051399 "02400

ccaacatgga gctgtgagat cacccttgaa ggatgtcttg aaggaacagg tatcttccag 120
 acaaagaaaa gttcccatag caggaagggc atcctaggca ggtgaagtga agcatgcaga 180
 ggcccagaga gagagcaatg tgatannkgt ctttctgtgc ctggcttatt tca 233

<210> 18754
 <211> 130
 <212> DNA
 <213> Homo sapiens

<400> 18754
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 ttttattatt tactattact attattttct tttcctgtga ttacctccac tcagatytc 120
 aaagccttgt 130

<210> 18755
 <211> 109
 <212> DNA
 <213> Homo sapiens

<400> 18755
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 ttacattttt ggaagtggct aactaagcct gttagtagtt tttttttt 109

<210> 18756
 <211> 81
 <212> DNA
 <213> Homo sapiens

<400> 18756
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 tggaatggaa tggaatagaa t 81

<210> 18757
 <211> 107
 <212> DNA
 <213> Homo sapiens

<400> 18757
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 gagaaatctc caactgtttt tcatagtagc tgtactaatt tacattc 107

<210> 18758
 <211> 226
 <212> DNA
 <213> Homo sapiens

<400> 18758
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 rgatbaaggg gttttggaga cctaggtttt atcatgaaga tgaaggcttc agagagaata 180
 gattgtaaat gtttctttct tttttttttt tttttttttt tttttt 226

<210> 18759
 <211> 104

<212> DNA
<213> Homo sapiens

<400> 18759
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actattgaat tggatacaag gatcagaatg gaaagaaaca tcct 104

<210> 18760
<211> 178
<212> DNA
<213> Homo sapiens

<400> 18760
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gccatgacat caaaatcatt ctatgtgggc ctaagaatgc agctgtctct aaattggatt 120
tdatacmaata rtakaatcta gacttagaat aatgggtagt ggactgggtg tgtgtttt 178

<210> 18761
<211> 188
<212> DNA
<213> Homo sapiens

<400> 18761
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ctttacttag aattagtaat gtccatagtc tgtaaataac acctgatttt caatacttcn 120
wtkggttata tgaaaagaac caactgttaa caaaggaata attggtatct agttaaatt 180
tgaggccc 188

<210> 18762
<211> 143
<212> DNA
<213> Homo sapiens

<400> 18762
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tagamcccag atagatacag gac 143

<210> 18763
<211> 233
<212> DNA
<213> Homo sapiens

<400> 18763
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aaaaattagt taaaatggct gactgtgac actagatggt cattaataatg aattgscarg 120
ttggcagrat gggatgggga ttgggtctaa tctacagga atcagttgga atacgtctgc 180
ctctctgacc ctgagccaaa atggaaagcg tattccaact gattccctgt aga 233

<210> 18764
<211> 67
<212> DNA
<213> Homo sapiens

<400> 18764
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 gagtgt 67

<210> 18765
 <211> 56
 <212> DNA
 <213> Homo sapiens

<400> 18765
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<210> 18766
 <211> 150
 <212> DNA
 <213> Homo sapiens

<400> 18766
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 ttacttgctt tctcttaaac ctaaaagaat ttggggccag aaatcctggc agcytgamaa 120
 wccatctaag awttaccaat ttagggaatt 150

<210> 18767
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 18767
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 ggagttacat gaaatatatt gatataggca tgcaatgcat aataatcacm tymggataaa 120
 tkgggtwcc atcawhctma agcatttatg ctttgtgta caatccaatt atactctttt 180
 agttattttt aaatgtacaa tttaaattatt ttttactgta gttaccact gtgctatcaa 240
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 cccgcgcgv 309

<210> 18768
 <211> 281
 <212> DNA
 <213> Homo sapiens

<400> 18768
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 ctttttgtg ctttttctg ttttttctc catcagctc cctagatatt tgttagattt 180
 aatattttta ttttttctg aagaagtga cttttgtatt tttaaataa taccagttg 240
 ctttaattct tcttttctg gtactatttc ctggtgttt t 281

<210> 18769
 <211> 128
 <212> DNA
 <213> Homo sapiens

<400> 18769
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acgggaccca cggaactaca ggtgtggggc aggggtgagcg tggaagaagg gacgcggatk 120
gggkttt 128

<210> 18770
<211> 85
<212> DNA
<213> Homo sapiens

<400> 18770
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cgagactcca tctcaaaaaa aaaaa 85

<210> 18771
<211> 128
<212> DNA
<213> Homo sapiens

<400> 18771
tgagagatta taagtggccg ttcttagagt gtgttaaaat acagccaaca agataaatgt 60
gaaaaagcaa ggtgcagaat agtgtggaag aggccaccat ttgtgtcaaa aagaagggch 120
tgggscwt 128

<210> 18772
<211> 163
<212> DNA
<213> Homo sapiens

<400> 18772
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ggtttgttac atatgtatac atgtgccatt ttgggtgtgct gcaccatta acttgtcatt 120
tatcattagg tataatctcc taaatgctat tccctccccc ctc 163

<210> 18773
<211> 108
<212> DNA
<213> Homo sapiens

<400> 18773
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gcaccaccat gccagctaa tttttgtatt tttttagag atggggac 108

<210> 18774
<211> 93
<212> DNA
<213> Homo sapiens

<400> 18774
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tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgt 93

<210> 18775
<211> 256
<212> DNA
<213> Homo sapiens

<400> 18775
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 cagtaagcca agatcgctc actgcactcc agcctggacg agagcaaac tccgtctcma 120
 aaaamtrmas aataaaaata gaccaggaga ggtggctcac gcctgtaatc ccagcactct 180
 gggagaccaa ggcgggtgga tcacctgagg tcaggagttc gagaccagcc tggccaacat 240
 agagaaaccc cagcca 256

<210> 18776
 <211> 331
 <212> DNA
 <213> Homo sapiens

<400> 18776
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 ttagaagggtg cctgtaatcc agaattgaaa atcacgtgca gaagataaac atggcagggtg 120
 cctgtatggt gcaactgtgat gaggatttct tctagtggcc tccatgggtg acacatgaca 180
 catatctgga tcacatggca tcagaaaaca tctgtgtgct tggagtaatt gccaaagtctc 240
 tgctaactgt atcatctgtt ggctctagag cccgggaaga atgatcagtt gagaccatct 300
 gtgcagtaaa tattttatttc aaaggatgtc t 331

<210> 18777
 <211> 158
 <212> DNA
 <213> Homo sapiens

<400> 18777
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 agctaatttt tgtattttta gtagagacag ggtttcacca tgttggccag gatagtctcg 120
 atctcttgac tttcgtgatc tgcstacct cggccccc 158

<210> 18778
 <211> 351
 <212> DNA
 <213> Homo sapiens

<400> 18778
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 acgttaactt ttcttggatg gtgctgatgc tagtagattt tcttcgggtg ctggacattt 120
 aagaagtttag twatttawta cagtcttccc tgtctgtgct tgttggtatc catccttctt 180
 agaggggctt tccctatggt tgaaaggact tacttggtat tatctgtgct gtaactgctt 240
 tagnngacac tttcatttca gtaatgctgt ggttctagnn gacttgtgga ggtatcacc 300
 tgatggtctt ggatatgac caggagaatt ttctggatta ccaggcacat a 351

<210> 18779
 <211> 99
 <212> DNA
 <213> Homo sapiens

<400> 18779
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 ctgttcttga actcctgacc tcaagcaatc caccgcctc 99

<210> 18780

<211> 105
 <212> DNA
 <213> Homo sapiens

<400> 18780
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 gagctgagat cgtgccaccg cactccagac tgggtgacag aatga 105

<210> 18781
 <211> 147
 <212> DNA
 <213> Homo sapiens

<400> 18781
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 ccagcctggg caatacggta agaccccatc tctacaaaaa ataagttacc cgggcgcatg 120
 gktggttgca tgectgtggt cacagct 147

<210> 18782
 <211> 205
 <212> DNA
 <213> Homo sapiens

<400> 18782
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 aatccagcat ccttggccg ggcacagtta ctaatgcctg taatcccagc actttgggag 120
 gctggtgaag gctggtctca aaactcctga cctcaagggtg atccaccac ctcagcctcc 180
 caaagtgtg ggattacagg catta 205

<210> 18783
 <211> 160
 <212> DNA
 <213> Homo sapiens

<400> 18783
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 cctatgggaa ttagattgtc ctctgatcag tcacaaaata aacttcttta tcactttgta 120
 aaggaactgt gtctccattg ctatttctac caccaccca 160

<210> 18784
 <211> 157
 <212> DNA
 <213> Homo sapiens

<400> 18784
 ggtcccagca ctttgggagg ctgaggcggg tggatcatga ggtcagaaga ttgggaccat 60
 cccggctagc gtggtgggac cccgtctgta ctaaaaata aaaaaattgg ccggrgckkt 120
 ggtggmatgc acctgtggtc tcaggggctc gggaaga 157

<210> 18785
 <211> 218
 <212> DNA
 <213> Homo sapiens

<400> 18785
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 taagaaaact gttttgtcta cagccatata actctgaaca tgcccgtct cagctgawtc 120
 yttggraaga aaactgtttt tatagtctat gccagagagg tctatttggt aaaagctaca 180
 ctgggaatca aaccactatg agtaagaatc agcatata 218

<210> 18786
 <211> 103
 <212> DNA
 <213> Homo sapiens

<400> 18786
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 gggattgtra tacagaggga ctggcagagg gtagcattag ttg 103

<210> 18787
 <211> 141
 <212> DNA
 <213> Homo sapiens

<400> 18787
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 tatgtgtgca tgcattgtaca taaggggcag ggggtggagcc aggtggaggc tgggtggagtt 120
 ttgtcttaga ctgggctcca t 141

<210> 18788
 <211> 127
 <212> DNA
 <213> Homo sapiens

<400> 18788
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 ggcaagagaa tcaacttaacc caggaggtgg aggttgccggg tgtrwgtcac caatgcctgg 120
 cccgatk 127

<210> 18789
 <211> 82
 <212> DNA
 <213> Homo sapiens

<400> 18789
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 taaagaataa tatggatgtg tc 82

<210> 18790
 <211> 100
 <212> DNA
 <213> Homo sapiens

<400> 18790
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 caamatatct attttgatga aaatgacata aaactagaca 100

<210> 18791

<211> 124
<212> DNA
<213> Homo sapiens

<400> 18791
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taaacatttt ttggacatgt tgggtgaatt tatgtatgct tttctgttgg ttgctgggt 120
cact 124

<210> 18792
<211> 219
<212> DNA
<213> Homo sapiens

<400> 18792
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ctatgagtga gaacatgtgg tgtttgggtt tatgtccttg cgatagtttg ctgagaatga 120
tggtttccaa tttcatccat gtccctacaa aggacatgaa ctcatcattt tttatggctg 180
catagtattc catggtgtat atgtgccaca ttttctttt 219

<210> 18793
<211> 114
<212> DNA
<213> Homo sapiens

<400> 18793
attttaaggt aaataagaaa ggcctaattgc cccgtgggtta gatttttcta tctacatatt 60
ggagataagt ttaaattttg tgtagtggtt tgggtattac ttctgcca ca 114

<210> 18794
<211> 292
<212> DNA
<213> Homo sapiens

<400> 18794
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cttcaattgg attccaactc ttgagcaagt tttcatctcc cttgcctgaa tggccctggg 120
gaggactatt taaattgggg cgagtggatg aggatgctaa acctagaggt ctcccaatta 180
ccaaaggcac ctgggcacca gggactaaag tttgtctcag gaatttactg agatatgagg 240
ctgagataaa atcatttttt ggtacataag gtatcttgaa caaagcagat ca 292

<210> 18795
<211> 79
<212> DNA
<213> Homo sapiens

<400> 18795
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atatgcctgt acaggagac 79

<210> 18796
<211> 224
<212> DNA
<213> Homo sapiens

<400> 18796
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 agagaggatt ttattctgtc acccaggctg gagtkvggtg gcatgattat agcttactgc 180
 agtctcacat tcttgggctt aattgatact ctcacctcag ccct 224

<210> 18797
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 18797
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 ttgtamcaact tgyatatgtg ctgtggcctt tgtcatttct gacaacctga tggmcattct 180
 gctatggcctt taaaactact ttgtccaggc tgggactgca caataggggg cc 232

<210> 18798
 <211> 157
 <212> DNA
 <213> Homo sapiens

<400> 18798
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 atcaaaaaac aataatacaa tagcagctat gtgccctca caaaaaagcg atccccaatt 120
 tttagtgatc ccaagcagct ccttgccctt cccact 157

<210> 18799
 <211> 89
 <212> DNA
 <213> Homo sapiens

<400> 18799
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 tcagccattg tacckggcct ggcctctgt 89

<210> 18800
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 18800
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 cttagagttt ttttcttctt caagatttct tgggattttt tacttaaata atcatgtaat 120
 ctgtgaataa gaactgttgt atttctctct aacctatata cctttattta cttatttaca 180
 ctgtctggga tggtcagttc aaagttgagt agaaatgatg agagggtttc ctcacccaac 240
 cagctcttgg ttttgtgtag ctactgttta tcattctcct ctattgctag gttactgagt 300
 ttttaaaatc atgaatggat gctgaatttt gtcaaagatg tttwctgtat caattgaaat 360
 gatcatgtga tttttttct 379

<210> 18801
 <211> 256
 <212> DNA

<213> Homo sapiens

<400> 18801
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 aaacccagtc tctactaaaa atactaaaat tagctgggca tctgtggccac aacacaatct 120
 cttgaaacct ggggagacgg agattgcagt gagcagagat tgcaccactg cattccaacc 180
 tgggcaacag agctagatca tgtcccaata aataaataaa taagaaaata ttgagactgc 240
 ttttttcctg aattaa 256

<210> 18802

<211> 100

<212> DNA

<213> Homo sapiens

<400> 18802
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 tgggaccctg gandaccagc tcagccacct gcggcagtat 100

<210> 18803

<211> 99

<212> DNA

<213> Homo sapiens

<400> 18803
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 tttttgtttg tctgcaccg taggcatttc caagtcact 99

<210> 18804

<211> 198

<212> DNA

<213> Homo sapiens

<400> 18804
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 ttcaccaagt tgatctacag atttcaaadc cttttcaaaa tcccagctag gctgggcatg 120
 gtggctcacg cctgtaatcc cagcactttg ggaggctgag gtgggcggat cacctgaggt 180
 caggagttag agactgaa 198

<210> 18805

<211> 143

<212> DNA

<213> Homo sapiens

<400> 18805
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 ttgtgatctg cttccctccc tcttcctaataaagagtttt gtcgttttcc ttggtgatt 120
 cagtctgagt cactcccacc cca 143

<210> 18806

<211> 114

<212> DNA

<213> Homo sapiens

<400> 18806

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gcaccaccat acctggctaa tttttgtatt tttagtagag actgggtttc acca 114

<210> 18807
<211> 131
<212> DNA
<213> Homo sapiens

<400> 18807
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aacagggttg gccttattta taatgtagtg tcaaggaaac tcctagcgtc gcaacattgg 120
gcagggtgaa a 131

<210> 18808
<211> 65
<212> DNA
<213> Homo sapiens

<400> 18808
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ttttt 65

<210> 18809
<211> 165
<212> DNA
<213> Homo sapiens

<400> 18809
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ttcgagtgtt cagagtaatt ttccagacca accagcgtca gtgggaaatc tgacctcttt 120
tggcaaaact gcgatcattc attttctctga gtccccctggg ggggc 165

<210> 18810
<211> 282
<212> DNA
<213> Homo sapiens

<400> 18810
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tttgatcctt gcttgcttct agatttatatt atttatattt ttatttatatt ttttttattt 120
ttattrwtwn taattatact ctaagtttta gggtagatgt gcactttgtg cagggttagtt 180
acatatgtat acatgtgcca tgctgggtgcg ctgcacccac taatgtgtca tctagcatta 240
ggtatatctc ccaatgctat ccatcccccc tcccccgacc ca 282

<210> 18811
<211> 161
<212> DNA
<213> Homo sapiens

<400> 18811
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caagtcattg aaacacatcg aaagcataag tctcacagga cctataaaaac aaaaatacac 120
ttaaaaaaaaa agcaagttat acaggcaaca aatagcatga t 161

<210> 18812
 <211> 193
 <212> DNA
 <213> Homo sapiens

<400> 18812
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 ggctaatttt tgtattttta gtagagacgg ggtttactg tgtagccag gatggctctgg 120
 atctcctgac ctctgatcc gcctgcctcg ghctcccaa gtgctgggat tacaggcgtg 180
 agcactgccc cac 193

<210> 18813
 <211> 132
 <212> DNA
 <213> Homo sapiens

<400> 18813
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 ctcggtcac tgcaacctcc acctccgagg ttgaagtga ccttctactt cagcctcctg 120
 agtagctggg ac 132

<210> 18814
 <211> 126
 <212> DNA
 <213> Homo sapiens

<400> 18814
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 ttttctacct ttgtaaatag aaacatttct gcataaaagt catacatatg aagcaagggc 120
 tgaatc 126

<210> 18815
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 18815
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 gtgtgttgag aggacctcgt gataccttg caaagtaggg catcctcaca ctgmtctggc 120
 cccaggtgga atcatccctg cttccttgag gggactatta tggcagcctg gtaaaggta 180
 ccttaccang ctgccataat agtcccctca 210

<210> 18816
 <211> 369
 <212> DNA
 <213> Homo sapiens

<400> 18816
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 ttaacctttt tgtcaataac gcagtaccca tgtgtccttt ttaattgctt cattccttgc 120
 ccacctcctt tggtgtgag cagcttaaag agccawagag cattgtttta ccttttattt 180
 tgcctctctt tgagtacatt ttcaattttg tgaattgaga gagtggcata gggaaaatgc 240
 cattaatdnn atcctgccta taaaaatgat atattattca tatgatata acagctgatt 300
 gtgtttcatc ctttccccgc taccaccagt aacttcagtc caaaatcctt tcccctcagc 360

tccagagcc

369

<210> 18817

<211> 143

<212> DNA

<213> Homo sapiens

<400> 18817

tgactttttt	ctttttcttt	tcttttcttt	tttttttgac	cctgggtttt	tycttwacct	60
ttctcactty	ccttyctgcc	tggcttcagt	gatgacagag	gcwatycckg	tgycaaacac	120
acctcwatcc	cctggggagc	aaa				143

<210> 18818

<211> 199

<212> DNA

<213> Homo sapiens

<400> 18818

agaaccattt	cagaaaataa	gtggagaggc	caggcgcggtg	actcatgcct	gtagtcccag	60
cactttggga	ggccgaggcc	agtggatcat	ttgaggccag	gagttcggga	ccagcctggc	120
cggcatggcg	aaccggtcac	tactgaaaat	acaaagatta	gctggggcgtg	gtggcgtgca	180
cctgttgtcc	cagctgctc					199

<210> 18819

<211> 101

<212> DNA

<213> Homo sapiens

<400> 18819

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<210> 18820

<211> 96

<212> DNA

<213> Homo sapiens

<400> 18820

aagcattgca	tcctgmtgtt	ctactcttcc	cccagtcctt	ttttttttga	aacggagtct	60
cgctcttggc	gccaggtctg	gagtgcactg	gcgcga			96

<210> 18821

<211> 172

<212> DNA

<213> Homo sapiens

<400> 18821

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gtttgttaca	taggtataca	cgtgccatgg	tggtttgcaa	ctcatcatct	acattagaca	120
tttcttgtwa	atgctattcc	tctcctagtc	ccccaccccc	tgacaggccc	ct	172

<210> 18822

<211> 134

<212> DNA

<213> Homo sapiens

<400> 18822
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 ctgaggcctc aaactcttgg gccagggga tccttttgcc tcagcctccc aaatggttgg 120
 aactacaggc acca 134

<210> 18823

<211> 87

<212> DNA

<213> Homo sapiens

<400> 18823
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 acacatcaat taaaggagac aaaaaga 87

<210> 18824

<211> 145

<212> DNA

<213> Homo sapiens

<400> 18824
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<210> 18825

<211> 339

<212> DNA

<213> Homo sapiens

<400> 18825
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 taattgcttc ctcatggcac catttaactt atccttctag tccccacttt tcctgttaac 180
 caaaattcag atctagaggc gaggagacag ggtttcttca tgccggtcag gctggtctcg 240
 aactcccgc ctccaggtgat ctgccctcct cagtctccca aagnhnbttg gattacaggc 300
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<210> 18826

<211> 63

<212> DNA

<213> Homo sapiens

<400> 18826
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 aaa 63

<210> 18827

<211> 65

<212> DNA

<213> Homo sapiens

<400> 18827

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ccatt 65

<210> 18828
<211> 300
<212> DNA
<213> Homo sapiens

<400> 18828
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amgtgcaggg aaactgccct ttataraacc atcagattta gtgagatgta ttcactatca 180
cgagaacagt atgggaaaaa cctgccccca tgrttcgatt acctcctacc gggtcctctc 240
cacgacacat ggggattatg ggaactacaa ttcaagatga aatttggtg gggacgcagc 300

<210> 18829
<211> 216
<212> DNA
<213> Homo sapiens

<400> 18829
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aagtttctgt gcattcaggg cgrggctggc cccatgccct gtgcataggg gcctggctgc 180
atcccagtcg atcagccaga ggcagcagca gtggat 216

<210> 18830
<211> 325
<212> DNA
<213> Homo sapiens

<400> 18830
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ttttgttaat cttttcaaag catcagcttt ttgttttatt atcttctgta ttttttcat 180
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tttctttttt taatataggc ccaat 325

<210> 18831
<211> 177
<212> DNA
<213> Homo sapiens

<400> 18831
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cgggaggcgg aagttgcagt gagctgagat ccaatcatcg cgctccagcc tgcgtgacaa 120
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<210> 18832
<211> 218
<212> DNA
<213> Homo sapiens

<400> 18832
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 ccacatctca tcttgaactg tagctcccat aattcctaca tgatcatggga gggaccagggt 120
 gggaggtaac tgmactatgg gascaactct ttcccatgct gttatgatag caaataagtc 180
 tcrkgagatc tgatgggttt ataaaggaga gttccctt 218

<210> 18833
 <211> 228
 <212> DNA
 <213> Homo sapiens

<400> 18833
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 gcgggcccgt cagcagggttc aggagatcga gaccatcccg gctgaaacgg tgaaacccccg 180
 tctctactaa aagtacaaaa agattggccg ggcgtgggtg cgagcgcc 228

<210> 18834
 <211> 108
 <212> DNA
 <213> Homo sapiens

<400> 18834
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 aattagaagc tctttagtaga gtttagggag agatgagaag ggccgaaa 108

<210> 18835
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 18835
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 cttgtcctcc tgggtcgaag caatgatccc acctaaagcct tctcggtagc caggactaca 120
 ggtgccccacc tccatgccca gctaattttt tttttttttw aaraaatggg gycycccyct 180
 gttgycmagg ttgaycacga actcttgggc ycaagmaatg aycccaccta ascyttctsg 240
 gwagcmagga ytamaggtgc ssacctcmat ngg 273

<210> 18836
 <211> 275
 <212> DNA
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<400> 18836
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 acgacacgtg ggcacaggca gaagtgggcc ctgtgaccag ctgactgggt ttcgtggaag 180
 gaagctccag gactggcggg atgggtcag cctgtatcaa agtcacaaaa tactttctct 240
 tctcttcaa cttgatcttc tttatcctgg gcttc 275

<210> 18837
 <211> 81
 <212> DNA
 <213> Homo sapiens

<400> 18837
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 atatgcctgt acaggagacg a 81

<210> 18838
 <211> 79
 <212> DNA
 <213> Homo sapiens

<400> 18838
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 ttgtacatag tgtattgta 79

<210> 18839
 <211> 101
 <212> DNA
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<400> 18839
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 actccagcct ggcgacaga gcgagactcc gtctcaaaaa a 101

<210> 18840
 <211> 92
 <212> DNA
 <213> Homo sapiens

<400> 18840
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 ctgacctcag gtgatccacc cacctcggcc ac 92

<210> 18841
 <211> 96
 <212> DNA
 <213> Homo sapiens

<400> 18841
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 accaatattg ccaaagcacc tttttttttt tttttt 96

<210> 18842
 <211> 322
 <212> DNA
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<400> 18842
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 cgggggcagg aagtggccc ggcctcctcg tggaggcgt ttccggagcg cctactgtgc 120
 tccttgccgg ggtgggggtc gttaccgagt gggaacttct gcaaactctg acttttgtca 180
 cttcgcgccc cgcacaagat gtctgcccgg cggtgcgatt ggtcccgttg cttcgagggg 240
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<210> 18843
 <211> 171
 <212> DNA
 <213> Homo sapiens

<400> 18843
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 catggaggaa accccatctc tactaaaaat acaaaattag ctgggcgtgg t 171

<210> 18844
 <211> 73
 <212> DNA
 <213> Homo sapiens

<400> 18844
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 gggtttagtg ata 73

<210> 18845
 <211> 247
 <212> DNA
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<400> 18845
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 tgttgccagg ctgggggtgca gtggcgtgat ctgggctcac tgcaacctct gcctcctggg 180
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 cacccaa 247

<210> 18846
 <211> 131
 <212> DNA
 <213> Homo sapiens

<400> 18846
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 gcctcggcct g 131

<210> 18847
 <211> 92
 <212> DNA
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<400> 18847
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 taagtcttga agtcaagcag tgactattct th 92

<210> 18848
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 18848
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gtctaaggag gagtaagggt gacctggcag gctagagtgc tctggctttg caggtgaaag 120
caagccgagc tcagacttct aaggatgaat aaaagcatca gatctctgct ttccacttgt 180
cacacttcat cgagatgact cttcaggggt gatggctgaa tcctttccca tgtgtyctct 240
aggactgcca actttaatgc actggcctgt 270

<210> 18849
<211> 198
<212> DNA
<213> Homo sapiens

<400> 18849
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tctgagtgtc aattgattca ggaattgttc tttactcaga taaactgtta aacttgtttc 120
taaagcttct ttttttttaa caaggatata cagaaattct ttttatttka tttatatatt 180
tatagttttt tttttttt 198

<210> 18850
<211> 136
<212> DNA
<213> Homo sapiens

<400> 18850
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gaggccgagc aggagaggtt gagttgcggc gaaggcgggt gcgtcgcgga stgcagcgcc 120
tgggcgagcg gcaccc 136

<210> 18851
<211> 161
<212> DNA
<213> Homo sapiens

<400> 18851
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caagtcattg aaacacatcg aaagcmtaag tctcacagga cctataaaac aaaaatacac 120
ttaaaaaaaaa agcaagtbat acaggcaaca aatagcatga t 161

<210> 18852
<211> 143
<212> DNA
<213> Homo sapiens

<400> 18852
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taggatgagg tgataacctag aaggtaatat attgtaaggc aaaagagatt agaagaaatg 120
gggaaaggat agtaaaaggc aaa 143

<210> 18853
<211> 172
<212> DNA
<213> Homo sapiens

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<210> 18854
 <211> 158
 <212> DNA
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<400> 18854
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 gggctgtgag accattcaat gggaaaagg cagtcttttc rrcaaattgt ggarractgg 120
 atgtccacat gcaaacgark gaatttgaac cctcacca 158

<210> 18855
 <211> 224
 <212> DNA
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<400> 18855
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 gtgctgcttt agccatagta agtcttgatt ggtagagctt ccaattttta tttatatatt 180
 aatggtgaat ggttttatt ttgttttatt ttgttgtgt tttt 224

<210> 18856
 <211> 340
 <212> DNA
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<400> 18856
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 tagggtttt tatggtttta gttcttacat ttaaattctt aatccatctt ttttttttaa 180
 tttttttaa ttttattata ctttaagttt tagggtagat gtgcacattg tgcaggtag 240
 ttacatatgt atacatgtgc catgctgggt cgctgcacca ctaactcgtc atctagcatt 300
 aggtatatct cccgatgcta tccctcccc ccccccccc 340

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 <211> 189
 <212> DNA
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<400> 18857
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 cccccgcc 189

<210> 18858
 <211> 167
 <212> DNA
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<400> 18858
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gagaatggcg tgacccggaa agcggagggt gcagtgagcc gagatcgccc cactgcactc 120
cagcctgggc aacagagcga gactccgtct caaaaaaaaa aaaaaaa 167

<210> 18859
<211> 126
<212> DNA
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gcttcatgag atcctcctaa gtctctcaag tggctgagac tacaggcatg tgtcaccaca 120
cccggt 176

<210> 18860
<211> 176
<212> DNA
<213> Homo sapiens

<400> 18860
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gaccacttc tcagccttaa ctctactgt tattcatgaa cctctgcgtt attcaaacac 120
atctacctag accttgagta tttttagcct tgctttatac cactttgccc ctggta 176

<210> 18861
<211> 158
<212> DNA
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<400> 18861
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acataggtat acacgtgcca tgggtggttg ctgcacccat caatccatca tctacattag 120
gtatttctcc taatgctctc cctcctcttg cccccaca 158

<210> 18862
<211> 153
<212> DNA
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tggaagtaaa catttaaaat ttataggact tcc 153

<210> 18863
<211> 178
<212> DNA
<213> Homo sapiens

<400> 18863
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178

<210> 18864
<211> 86
<212> DNA
<213> Homo sapiens

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agaccatgct gggaaaaaaa aaaaaa

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86

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<211> 310
<212> DNA
<213> Homo sapiens

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cctgccacct 310

<210> 18866
<211> 260
<212> DNA
<213> Homo sapiens

<400> 18866
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aaagggactt ggatgtttgt aactaagtct ttggttgctg cagctatatc ttctttatgg 180
agcactcaa gaccaccaag gcagtatctc tatgaatctg taagagccac agtggtgctg 240
ggcttgagggt gctccataaa 260

<210> 18867
<211> 340
<212> DNA
<213> Homo sapiens

<400> 18867
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ttccctgccca aatttctcca aggagtggct tacaycctct 340

<210> 18868
<211> 105
<212> DNA
<213> Homo sapiens

<400> 18868
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tcagtaaaag tatatacttt attacacaca cacacacaca caccc 105

<210> 18869
<211> 138
<212> DNA
<213> Homo sapiens

<400> 18869
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gaataccaca tgctctcatt catatgtcaa agcttaaaaaa gttgatctca ctgatgtgga 120
gagtagaata gtgggtcac 138

<210> 18870
<211> 101
<212> DNA
<213> Homo sapiens

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<210> 18871
<211> 166
<212> DNA
<213> Homo sapiens

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ggaaaagagg aggctgggac cctggactct tgggtctgga ggagga 166

<210> 18872
<211> 228
<212> DNA
<213> Homo sapiens

<400> 18872
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gggttttgcc atgttgacca tgctgggtctt gaacttgcaa cctcaggtga cctgcctgcc 180
tcagcctccc aaaatgctgg gataaccagc accagccacc gcccacaa 228

<210> 18873
<211> 172
<212> DNA
<213> Homo sapiens

<400> 18873
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aaaaaaatgt agatactccc gctggggcacg gtggctcatg cctgtaatcc tg 172

<210> 18874
 <211> 116
 <212> DNA
 <213> Homo sapiens

<400> 18874
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 tacaaaaatt agccgggcgt ggtggcaggc gcctgtaatc ccagctactc tggagg 116

<210> 18875
 <211> 113
 <212> DNA
 <213> Homo sapiens

<400> 18875
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<210> 18876
 <211> 141
 <212> DNA
 <213> Homo sapiens

<400> 18876
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 gtacagtcac tatggagggt tctcaaaaca ttaaaaacag aactgcccta tgatcccagc 120
 catctctttt tttttttttt t 141

<210> 18877
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 <212> DNA
 <213> Homo sapiens

<400> 18877
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 agtggtracg tctctgggtt ttctttttgc ctcattgtgt cctgacttgt agctgaagaa 180
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<210> 18878
 <211> 52
 <212> DNA
 <213> Homo sapiens

<400> 18878
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<210> 18879
 <211> 146
 <212> DNA
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<400> 18879
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004220" 665759

gctggccccg gccctggagg aagccatgga gcagctggtc agacaggtgc gggagatggr 120
ggcarabctg gaggacgaga ggaagc 146

<210> 18880
<211> 106
<212> DNA
<213> Homo sapiens

<400> 18880
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acctccgcct cccgggttca agtgattgtc ctgcctcagc ctccct 106

<210> 18881
<211> 128
<212> DNA
<213> Homo sapiens

<400> 18881
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ttacaggcgt gascactgcg cctggcgact ctgtctctta aaaatatttt aatttttttt 120
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<210> 18882
<211> 99
<212> DNA
<213> Homo sapiens

<400> 18882
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tgtttcattt cattcatttg ctcttcaatc cctgmccac 99

<210> 18883
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<212> DNA
<213> Homo sapiens

<400> 18883
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tgacagggca agatcctatc tgattaaaaa aaaaaatagg c 101

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<211> 123
<212> DNA
<213> Homo sapiens

<400> 18884
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tac 123

<210> 18885
<211> 190
<212> DNA
<213> Homo sapiens

<400> 18885
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 ttctttattc agtctatcac taatggacat ttgtgttgg tccaagtctt tgctattgtg 120
 ttatttgcca caataaaca tatgtatgca tgtgtcttta tggatctag atctagaaat 180
 accatttgac 190

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 <211> 92
 <212> DNA
 <213> Homo sapiens

<400> 18886
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 gtcacttaga tagtaatgta cattcctgcc at 92

<210> 18887
 <211> 159
 <212> DNA
 <213> Homo sapiens

<400> 18887
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 gatcacgagg tcaggagtgc gagaccagcc cggccaaca 159

<210> 18888
 <211> 258
 <212> DNA
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<400> 18888
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 aagttttttc tttaaaactc ttattwaag tgttacggta tattattatt tttaaaataa 180
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 ctcgacaca gggacgca 258

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 <211> 237
 <212> DNA
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 tttgggttct tggatcatgaa gtctttgctg aagccaatgt ctagaagtgt tttccaatg 180
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<210> 18890
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 <212> DNA
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<400> 18890
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 <212> DNA
 <213> Homo sapiens

<400> 18891
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 tcctgctcca cttggaggga taaacattag ggccaagtc tcttccagcg ccagcccctg 180
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 <212> DNA
 <213> Homo sapiens

<400> 18892
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 <212> DNA
 <213> Homo sapiens

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 gcagagggaa acaaatggga acaatggccc tgcagwgaga ataagcttgc aatatgtgtc 180
 tggaagtgat taatcaagag ggagattag aggggtcaga gagagaagtg tgagatcata 240
 tgtgcctttg trrrctgtgg aaaataahng ggatbktact ctgaatgaga tggaagccat 300
 tagatgtttg agcagggatg tgggtgtgact bwagcatann gnvaggatg gtgggagatt 360
 agttggaagg ctatttcagt ccttnbdag aaatatgttg aggtcttgga tgtaagga 418

<210> 18894
 <211> 255
 <212> DNA
 <213> Homo sapiens

<400> 18894
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 aatthctttg aataaactct atacctcttg gcgtttcttg atttcttgga tatccatcat 180
 tcttcaattt gctcttgtga ggttattctc tctatcttgc ggattgtttt cttttttttt 240
 cttttttttt ttttt 255

<210> 18895
 <211> 130
 <212> DNA

<213> Homo sapiens

<400> 18895
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accagggagg tggaagttgc agtgagccaa gattgtgcca ttgactcca gcctgggtga 120
caagagcaaa 130

<210> 18896

<211> 56

<212> DNA

<213> Homo sapiens

<400> 18896
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<210> 18897

<211> 186

<212> DNA

<213> Homo sapiens

<400> 18897
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aaacaaaaga aagaaagaaa acaagaaagc aagaaagcac gaaagcaatc aagcaagaaa 120
gcaagccagg aaagaaacaa aagaaagaaa garatcgaga aaacaagaca gcacgaaagc 180
aagcaa 186

<210> 18898

<211> 239

<212> DNA

<213> Homo sapiens

<400> 18898
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acattttaaa agtgagcttt aggccagttg cagcagttta tgcctataat cccagcactt 120
tgggaggctg aagttggagg atagcttaag gccaggaaaag tctggcaaca tagcaagagc 180
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<210> 18899

<211> 256

<212> DNA

<213> Homo sapiens

<400> 18899
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cctgagtagc tgggactgta ggcacacacc accatgccca gctaattttt tattttactt 180
tagagacagg gtttcattct gtttcccagg ctggccttga actcctggtc tcaagtgatc 240
ctcctgcctc agcctc 256

<210> 18900

<211> 170

<212> DNA

<213> Homo sapiens

<400> 18900
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 tggaactatt gttaatatcc aggttgcttt taagggtgac ccagaagcag ccctaattcca 120
 atatcttacc aatgaggagg ccaggaaagc catttctagc acagagagct 170

<210> 18901
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 18901
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 ctcaagtgat ccatccgcct cccaaagtgc tgggactaca ggcgtgagca ttgtgcctgg 120
 cctcaatttt taattttctt gaagtcaggg gagaaactdt agttttaata tgggaagc 178

<210> 18902
 <211> 348
 <212> DNA
 <213> Homo sapiens

<400> 18902
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 ctgaggcccc caagatctgg tgctttgggc ccgamggcac cggccacaag tggcttcctt 180
 ccaccgctgt agatacttgc agaagcnnkg aagctcctgg aggtgtctct ttgcagtctg 240
 gaagatttcc tccacgagaa acaagtccac taagtgggca cagacatcct cacagcaacg 300
 ggccamacgg accctctggg ctgtctctac tgcattcttc aacaaydt 348

<210> 18903
 <211> 180
 <212> DNA
 <213> Homo sapiens

<400> 18903
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 ctcaagtgat ccatccgcct cccaaagtgc tgggactaca ggcgtgagca tttgtgcctg 120
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<210> 18904
 <211> 128
 <212> DNA
 <213> Homo sapiens

<400> 18904
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 aaagctggac cacacatagc aagagagcca gctgcctact ccggcctgaa gggcgardmc 120
 ccaccca 128

<210> 18905
 <211> 99
 <212> DNA
 <213> Homo sapiens

<400> 18905

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gtgctgggat tacaggcatg agccaccgca cccggcctt 99

<210> 18906
<211> 221
<212> DNA
<213> Homo sapiens

<400> 18906
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ccattgaatg tcgttgaaac ttcaagtagt gttagggaaa gaaaaaagaa ggaaaagaaa 120
caaaagcctg tgcttgaaga gcaggtcac aaagaaagt acgcatcaaa gattcctggc 180
aaaaaagtag aacctgtccc agttacnnaa cagcccaccc c 221

<210> 18907
<211> 75
<212> DNA
<213> Homo sapiens

<400> 18907
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tacactccac tccac 75

<210> 18908
<211> 245
<212> DNA
<213> Homo sapiens

<400> 18908
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caagaggaaa atttatttta ttttatttta ttttttttat tatactctaa gttttagggt 120
acatgtgcac attgtgcagg ttagttacat atgtatacat gtgccatgct ggtgcgctgc 180
accactaat gtgtcatcta gcattaggta tatctcccaa tgctatccct cccccctccc 240
cctca 245

<210> 18909
<211> 333
<212> DNA
<213> Homo sapiens

<400> 18909
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acatagtgag actttgtaca aaaaaaatt taaaaattag ccgggcatgg tggcatgcat 120
ctgtgtctc agctgctctg gaggctgagg tgggaggatc acttgagccc aggaggctga 180
ggctgcaatg agccgagatc aagcaggtgt taggtatatc agacagctga gaagacgcaa 240
gtgtgccttg gggttcaaac tggtagccct gtctccctgt tccaggaata acatgagtgc 300
cgggacaatg catctttatt atgagaggaa tgt 333

<210> 18910
<211> 199
<212> DNA
<213> Homo sapiens

<400> 18910

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tcatgaatgg gtattgaact ttatctaaca ctgcactaat aaataggatt atctgacttt	120
tctacttatt aatttggtgc attacattat taatttccaa atattgagcc acccttatat	180
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<210> 18911
 <211> 133
 <212> DNA
 <213> Homo sapiens

<400> 18911	
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tgctgggtgcg ctgcaccact aatgtgtcat ctgacattag gtatatctcc caatgctawc	120
cctccccccc ccc	133

<210> 18912
 <211> 245
 <212> DNA
 <213> Homo sapiens

<400> 18912	
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acttttgagt ttcatgaga tgtcccctta ttcttccgt aatttatata atcaagtctg	180
aattttattg tgttaccctt agccaaataa ccgtaatgaa aagatgtaat tctttttctt	240
ttttt	245

<210> 18913
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 <212> DNA
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<400> 18913	
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<210> 18914
 <211> 60
 <212> DNA
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<400> 18914	
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<210> 18915
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 <212> DNA
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<400> 18915	
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gttattgrrt gcctgttagc actgagatta ctaagaatga gtgagacaag gtctccatcc	180
tcaaaaggta cacagagctt tggaaggta gataggcagg tattttaatc aagttttttg	240

ttttttgtwt tttgtttt

258

<210> 18916

<211> 146

<212> DNA

<213> Homo sapiens

<400> 18916

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gcggctcact gcagcctcaa cctccc	146

<210> 18917

<211> 318

<212> DNA

<213> Homo sapiens

<400> 18917

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ccagcacttt gggaggccga ggccggcgga tcgcggggtc aggagatcga gaccattccg	120
gctggaacgg tgaaaccccg tctctactaa aggtacagga aattggccgg gcgtggtggt	180
ggcgccctgt agtcccagct gcttgggagg ctgaggcagg agaatggcgt ggacccggga	240
ggcggasttg cagtgagccg agatcccgcc actgcactcc agnctgggca acagagcgag	300
actccgtctc aaaaaaaaa	318

<210> 18918

<211> 151

<212> DNA

<213> Homo sapiens

<400> 18918

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atgctatccc tccccctcm cccgcmccac t	151

<210> 18919

<211> 118

<212> DNA

<213> Homo sapiens

<400> 18919

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taagcttcaa gaacccctt ttgaatttca tatagtttag gtcttctggg aatgaatt	118

<210> 18920

<211> 119

<212> DNA

<213> Homo sapiens

<400> 18920

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<210> 18921

004220" 666T560

<211> 122
 <212> DNA
 <213> Homo sapiens

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 tc 122

<210> 18922
 <211> 180
 <212> DNA
 <213> Homo sapiens

<400> 18922
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 gtcacacct ctaatccagc attttgggag gccaaagggt gagatcacat gagcctggga 180

<210> 18923
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 18923
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 accatcatca aactttaatc tgcaaaacag tccttataag atagagggaa gagcrtcatc 120
 tacttttcgt agatgagga actgacggac agagagggaaa ttagctggag gtcacaa 177

<210> 18924
 <211> 113
 <212> DNA
 <213> Homo sapiens

<400> 18924
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<210> 18925
 <211> 80
 <212> DNA
 <213> Homo sapiens

<400> 18925
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 ggtacatgtg aaggttaaaa 80

<210> 18926
 <211> 357
 <212> DNA
 <213> Homo sapiens

<400> 18926
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amytctgttt	tggragrnga	acatcagttt	gttcaagtta	ctcttccac	ctgtgattct	180
gttgtgaaga	atctgtgtgt	gccaattctc	agtatgtatg	gaccacttac	aggcaagggt	240
gggacatagg	gtggcagggtg	ggaaccagac	atttaantgt	catcaacttc	attacaaatg	300
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<210> 18927
 <211> 272
 <212> DNA
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<210> 18929
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 <212> DNA
 <213> Homo sapiens

<400> 18929						56
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<210> 18930
 <211> 145
 <212> DNA
 <213> Homo sapiens

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atcccagcaa	tttgggaggc	cgaggcgggt	gcatctctag	gtcaagagat	cgagaccatc	145
ctggccaaca	tggtgaaacc	ccgtc				

<210> 18931
 <211> 128
 <212> DNA
 <213> Homo sapiens

<400> 18931						60
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aaaaaaaa

128

<210> 18932

<211> 186

<212> DNA

<213> Homo sapiens

<400> 18932

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ccaaagaaag caaacagata ttcaaacct gattgctctt cattcaacta tatgttttaa	120
tagacaaaca aatatatagc tagtgagaac ttagctgtca ttaccttgcc ctdaagtatc	180
ccccct	186

<210> 18933

<211> 349

<212> DNA

<213> Homo sapiens

<400> 18933

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ttgaatccca cctccacccc taatgtggcc agactgctgc ttatctttca aaacccaact	180
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tatcacattt gtctttttaa tagactgccc ttcaagacaa tagagataga tcagtaatat	300
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<210> 18934

<211> 143

<212> DNA

<213> Homo sapiens

<400> 18934

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ccatgctggt gtgctgcacc cattaactcg tcatttagca ttaggtatat cgcctaagtc	120
tatccctccc cctccccccc aca	143

<210> 18935

<211> 192

<212> DNA

<213> Homo sapiens

<400> 18935

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ctatgggctt rtgatggcc ttctatctct ggtgttttca tgcgggtcttt ttcaactgtgt	180
gtgtgtgtgt gc	192

<210> 18936

<211> 133

<212> DNA

<213> Homo sapiens

<400> 18936

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004220" 6662560

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acttcggcct cct 133

<210> 18937
<211> 139
<212> DNA
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cctttaaggc gcgcgccgg gcggggcccc tatgaccct ttaaggcgcg gccagagtcc 120
tcccgcagaa aaacgaccc 133

<210> 18938
<211> 72
<212> DNA
<213> Homo sapiens

<400> 18938
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cttttttttt tt 72

<210> 18939
<211> 188
<212> DNA
<213> Homo sapiens

<400> 18939
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agggccaa 188

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<211> 77
<212> DNA
<213> Homo sapiens

<400> 18940
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gtctctgtcc ccgccgt 77

<210> 18941
<211> 148
<212> DNA
<213> Homo sapiens

<400> 18941
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tatgggtatg cctgtctccc caactctggc cctgaatcc ctttagtcca ctaagaataa 120
acatwcytcc tttatgaaaa atgccaat 148

<210> 18942
<211> 325

<212> DNA

<213> Homo sapiens

<400> 18942

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ttawaawttw aagtttttagg gtmcatgtgc wcaatgtgca ggtagttac atatgtatac	180
atgtgccatg ctgggtgtgct gcacccatta actcgtcatt tagcattagg tataatctcct	240
aaggctatcc ctcccccca ggagggggga ggagaggaaa ggatggaaag ctggtcaacg	300
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<210> 18943

<211> 55

<212> DNA

<213> Homo sapiens

<400> 18943

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<210> 18944

<211> 193

<212> DNA

<213> Homo sapiens

<400> 18944

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ggtgggagga ttgtttgaat ctaggatttg aagggttacag ctatgattgt gccactgcac	180
tccaacctgg gca	193

<210> 18945

<211> 108

<212> DNA

<213> Homo sapiens

<400> 18945

attctggttg aactaaatat ttccctctctc tcaactctcat ataaaaccca ttgagggctg	60
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<210> 18946

<211> 126

<212> DNA

<213> Homo sapiens

<400> 18946

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<210> 18947

<211> 132

<212> DNA

<213> Homo sapiens

<400> 18947
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 ccgaggcagg ca 132

<210> 18948
 <211> 246
 <212> DNA
 <213> Homo sapiens

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 cctgtagtcc cagctamttg ggaggctrag gcaggagaat cgcttgaacc cgggaggcgg 180
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 catctc 246

<210> 18949
 <211> 274
 <212> DNA
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 agaggccccc aaaagtttgm cagtccacat cagaggcaga gtcagaggcc tccatgtcgg 180
 aggcctcctc tgaggacctg gtgccacccc tggaggctgg ggagcccca tataggagg 240
 aggaagaggc ggcgannbag aagaaggaga agaa 274

<210> 18950
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 <212> DNA
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<400> 18950
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 gcctccgaag tactgggact acaggcatgt gccaccatgc ccagc 165

<210> 18951
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 <212> DNA
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 cactgcagct ttgaactcct gagctcaagc ggtcttcccc cca 223

<210> 18952
 <211> 140
 <212> DNA
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gcctagaata tagaaattgt tcttcaagaa tattcaatat ttacccgaac tcatcamtcc 120
aggcttcct cctgccaat 140

<210> 18953
<211> 162
<212> DNA
<213> Homo sapiens

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gagaaccatt tgagccccgg aggtggagtt tgcggtgagc caggattgcg ccattgcact 120
ccagcctggc aatagagtga gactccgtct taaaaagaaa aa 162

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<211> 187
<212> DNA
<213> Homo sapiens

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gmatatgttt ctaacttttt ttttctgcac acaagttcat ggtccttcta tacttgatag 180
cccagct 187

<210> 18955
<211> 68
<212> DNA
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<211> 309
<212> DNA
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ggcatrgwgr rcaagwgcct ataatccag ctagtcagga gactgaggca ggagaatcat 180
ttgaaccag gaggcggagg ctgaagtga acgaagtgt gccattgctc tccagcctga 240
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ctgttagtt 309

<210> 18957
<211> 189
<212> DNA
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 cccgaccaa 189

<210> 18958
 <211> 189
 <212> DNA
 <213> Homo sapiens

<400> 18958
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 tagaacca 189

<210> 18959
 <211> 98
 <212> DNA
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<400> 18959
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 tggaatggag tggaatcaac gcgagtgcag gggaattt 98

<210> 18960
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 <212> DNA
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<400> 18960
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 gttttacartg tttccywtat tatccttttg atgtctgcag gatctgtagt gatatctcct 180
 gttttattcc cgatgttgct aattgtgttt gtctgtgggg gc 222

<210> 18961
 <211> 101
 <212> DNA
 <213> Homo sapiens

<400> 18961
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<210> 18962
 <211> 119
 <212> DNA
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<400> 18962
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<210> 18963
 <211> 95
 <212> DNA
 <213> Homo sapiens

<400> 18963
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 tcataaaatg ccagtttctt tttttttttt ccttt 95

<210> 18964
 <211> 190
 <212> DNA
 <213> Homo sapiens

<400> 18964
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 cccacggtt 190

<210> 18965
 <211> 331
 <212> DNA
 <213> Homo sapiens

<400> 18965
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 tcacgcctgt aatcccagca ctttgggagg ccaaggcggg tggatcgctt gaggtcagga 120
 gttcgagacc agcctggccg atatggtgaa accccatctc taccaaaaat acaaaaattg 180
 gccaggctg gtggcacaca cctgtaattc cagctactcg ggaggctgag gcagaattgc 240
 ttgatcctgg gaggcggagg ttgcagtgag ctgagatcgc accattgcac tacagcbtgg 300
 gtgacagagt gagactccat ctcaaaaaaa a 331

<210> 18966
 <211> 86
 <212> DNA
 <213> Homo sapiens

<400> 18966
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 gctttggggtt tatcataaat agctct 86

<210> 18967
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 <212> DNA
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<400> 18967
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 acca 124

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<212> DNA
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6461

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gaaaaaagct	aaaatgttta	gtttcacttd	gccctgaggt	atggttgaga	aggctgactg	180
ccagcagttg	aggattgagt	ccgaccatgt	ttacatgcag	ggttcccaac	accagtgggtg	240
acactgggaa	gcagccccag	cactttcctc	tcctgagtc	tccagaccca	aaatccttaa	300
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aagatgagtg	ctattttatc	cagctaagaa	aattcttccc	catttatcca	ttgtctgtga	180
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 <212> DNA
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ttttt						65

<210> 18976
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 <212> DNA
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<400> 18976						
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cagctttgtt	ccattgggtga	tgaggagctg	catttccttg	gaggaggaga	ggcactctga	180
tttttagagt	ttccagtttt	tctgctctgt	tttttcctta	tstttgtggt	tttatctacc	240
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gtggatcac						309

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<400> 18977						
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ttgttatcct	ttattctgtt	aatatggt				88

<210> 18978
 <211> 131
 <212> DNA
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<400> 18978
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 atttaaaaaa tgcttttaac acactttgtt ttcaaatttt ttgagacat attcttgctg 120
 tgtcakcctt a 131

<210> 18979
 <211> 206
 <212> DNA
 <213> Homo sapiens

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 tgccccctgc ggggcaaacc acccca 206

<210> 18980
 <211> 63
 <212> DNA
 <213> Homo sapiens

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 ata 63

<210> 18981
 <211> 116
 <212> DNA
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<400> 18981
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<210> 18982
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 <212> DNA
 <213> Homo sapiens

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 caaataatac aaataattcc cttaaagtctt ctacaga 97

<210> 18983
 <211> 103
 <212> DNA
 <213> Homo sapiens

<400> 18983
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 tattggctctt tttatcattg gattgtatga gttctttata tat 103

<210> 18984

<211> 112
<212> DNA
<213> Homo sapiens

<400> 18984
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<210> 18985
<211> 77
<212> DNA
<213> Homo sapiens

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ttttttttt ttttttt 77

<210> 18986
<211> 246
<212> DNA
<213> Homo sapiens

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gagttcaaga ccagcctggc caacatggcg aaaccctgtc tctactaaaa atacaaaaat 120
tagctgggag tggtggcgga tgcctgtaat ctcagctact caggagtcta aggcaagaga 180
attgctggaa cccaggaggc ggaggttgca gttgcagtga gncaacattg cgccactgca 240
ctccaa 246

<210> 18987
<211> 131
<212> DNA
<213> Homo sapiens

<400> 18987
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tccccccaca a 131

<210> 18988
<211> 165
<212> DNA
<213> Homo sapiens

<400> 18988
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cakaaarcca ktactggaaa aatagggttt ttgtgagggc cakwa 165

<210> 18989
<211> 88
<212> DNA
<213> Homo sapiens

<400> 18989
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 ccttttggct taaaagtata ycatattga 88

<210> 18990
 <211> 162
 <212> DNA
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 aatttagaat agtcagtaac aatatctact gaaatacagc atttggatta actaatgtgt 120
 ctacacatcc acttattcct aataactttc gatgtagaga aa 162

<210> 18991
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 <212> DNA
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 aaacaaaaaa acagattagt gctaagaagc taaggatcac acagcaagtt ttdggatggg 180
 tctgccacc tccgtgcggc ttgtcatc 209

<210> 18992
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 gcccccc 127

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 <211> 75
 <212> DNA
 <213> Homo sapiens

<400> 18993
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 tttaaaaaa aaaaa 75

<210> 18994
 <211> 226
 <212> DNA
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 tggttgccar rctggcctcg aactcctgac ctccgggtgg atccgcgtgc ctctgcctcc 180
 caaagtgttg ggattacrag cattaagchc accatgcccg gccayt 226

<210> 18995
 <211> 81
 <212> DNA
 <213> Homo sapiens

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 gtgccaatat aacttttttt t 81

<210> 18996
 <211> 173
 <212> DNA
 <213> Homo sapiens

<400> 18996
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 ggactctctg aaggagactg tgctaaggat tctttttttt tttttttttt ttt 173

<210> 18997
 <211> 51
 <212> DNA
 <213> Homo sapiens

<400> 18997
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<210> 18998
 <211> 141
 <212> DNA
 <213> Homo sapiens

<400> 18998
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 ggtctcgaac tctgacctc a 141

<210> 18999
 <211> 132
 <212> DNA
 <213> Homo sapiens

<400> 18999
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 ccgaggcagg ca 132

<210> 19000
 <211> 95
 <212> DNA
 <213> Homo sapiens

<400> 19000

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ataagtctgg tgctggtaat acagaaagag gtaac 95

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<212> DNA
<213> Homo sapiens

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atgtccacat gcaaacgaat gaatttgaac cctcacca 158

<210> 19002
<211> 107
<212> DNA
<213> Homo sapiens

<400> 19002
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<210> 19003
<211> 174
<212> DNA
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<400> 19003
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cttcggggcc ggccgggtgga atggcctttg gggcaaagtg caagaaggag gacc 174

<210> 19004
<211> 121
<212> DNA
<213> Homo sapiens

<400> 19004
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a 121

<210> 19005
<211> 138
<212> DNA
<213> Homo sapiens

<400> 19005
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tggtggttgc tgcacctgtc aaccctcac ctaggtatta agcccaacat gcttttagcta 120
tttttctga tgctttcc 138

<210> 19006
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<212> DNA

<213> Homo sapiens

<400> 19006

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wyaggtacgc gccatcactc c	141

<210> 19007

<211> 128

<212> DNA

<213> Homo sapiens

<400> 19007

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<210> 19008

<211> 148

<212> DNA

<213> Homo sapiens

<400> 19008

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gcgacagagc gagactctct caaaaaaatt aaaataaaat aaaaacatta aaaaaaaaaag	120
agtataggat gcttctcctc tccccgca	148

<210> 19009

<211> 148

<212> DNA

<213> Homo sapiens

<400> 19009

cattagtgat tcatctcctt ttatcatatg aaaagttaat gattacaaca tataatatag	60
taatttggtt tggaaaatgc cctctttcaa acactgtag tgtttcacia aactttaaaa	120
aaaaaaaaact tactaggggc cgggcama	148

<210> 19010

<211> 54

<212> DNA

<213> Homo sapiens

<400> 19010

aaaaaaaawtc aaaatacaaa accttcattt gtgaaaaatg aaagttttgw attt	54
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<210> 19011

<211> 143

<212> DNA

<213> Homo sapiens

<400> 19011

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ttttctgcct gctccatgty atattccttt cwkgcccttt ttcagattga taagattktt	120

yactatdtca tttccccctg cct

143

<210> 19012

<211> 89

<212> DNA

<213> Homo sapiens

<400> 19012

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ctgggattac aggcgagagg caccacgct 89

<210> 19013

<211> 214

<212> DNA

<213> Homo sapiens

<400> 19013

catctttcaa actttatctt cctcttccag tgttcccatc cacattgata atctcactcc 60
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ctgcagcctc aacctaccag ggctcagggtg gtcttctctac ctcagcctcc tgagtagctg 180
gaamtacaca tgtgtagcac ctttttctat cttt 214

<210> 19014

<211> 119

<212> DNA

<213> Homo sapiens

<400> 19014

tagcattatg ttactctgtg tattaaaagc acatcaaaat rgcactgtgt gtaaattcatt 60
tgattttaagt catattcaga atgtagtgcc ttttaatttca taatacacia aatatacat 119

<210> 19015

<211> 153

<212> DNA

<213> Homo sapiens

<400> 19015

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taccctccta ggaccgcggg ggctaagtca ttgcaggaac ggggctgtgt tctctgctgg 120
gacaaaacag gagctcatct ctttrgggtc aca 153

<210> 19016

<211> 145

<212> DNA

<213> Homo sapiens

<400> 19016

caattggata gtgcatgttg gaggaacag catgcagctg ggagttgaga caagtcaggc 60
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ttaaattaga ttgatagagg cctaa 145

<210> 19017

<211> 125

<212> DNA

<213> Homo sapiens

<400> 19017

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ccctaccccc actcctcagc ccccttctg tttcctaata tctctctttt tttttttttt  120
ttttt                                         125
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<210> 19018

<211> 109

<212> DNA

<213> Homo sapiens

<400> 19018

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gctgatctgg ctggctaggc ggggtgtccc ttctctctty wccgcccct                109
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<210> 19019

<211> 145

<212> DNA

<213> Homo sapiens

<400> 19019

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gaacccaaga agtcgaggct gtgttaagcc ttgagcatcc cactgcactc cagcctgggt  120
gacagagtgc aatactcttc cagaa                                         145
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<210> 19020

<211> 161

<212> DNA

<213> Homo sapiens

<400> 19020

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tacaaaaaat tagccaggcg cagtgggtggg cgcctgtagt cccagctact cgggaggctg   60
aggcaggaga atggcgtgaa cccaggaggc agagcttgca gtgagctgag atcacaccac  120
tgtattccag cctgggccac agaatgagac gccatctcaa a                        161
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<210> 19021

<211> 352

<212> DNA

<213> Homo sapiens

<400> 19021

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atcattcagt gatactgtgt catttgtata ggtccttccc tgtggttctg aagaataaat   60
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agcttttggg aagtataata tttttacca aatccatta aatgttaggc gctctttcta  180
tatgcccttt actgtccttt tactgattag tgaaatatat atgtgaaccc agaaggctga  240
tttatttatt ttattgtctt ttttaataac ttgcttctcc ctagtgtctg gtgctttctg  300
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<210> 19022

<211> 66

<212> DNA

<213> Homo sapiens

<400> 19022
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agtatt 66

<210> 19023
<211> 126
<212> DNA
<213> Homo sapiens

<400> 19023
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gtgcct 126

<210> 19024
<211> 442
<212> DNA
<213> Homo sapiens

<400> 19024
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ctgggtgggg gcaaatcctt gagcttgatg tgtagggaag ggagggggcc tgcgtctcgc 180
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ttacaggtgt gagccactgc ac 442

<210> 19025
<211> 167
<212> DNA
<213> Homo sapiens

<400> 19025
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ttgtgtgtgt tgtgtgtggg tgtgtggtat gtatgggtat ggggggttct gaggartgtg 120
tggtttgagg tatgtatggt gtgtdgggga tgtgatgggt gagatat 167

<210> 19026
<211> 126
<212> DNA
<213> Homo sapiens

<400> 19026
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tgcttgcca tcaccatcgt cattgtcatt tcttggcctt ctactgccc tggckcaacc 120
gccct 126

<210> 19027
<211> 114
<212> DNA
<213> Homo sapiens

<400> 19027
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 agtatttgct aattcagtgt tcatggcaac ttttttcggt ttgttttttt tttt 114

<210> 19028
 <211> 371
 <212> DNA
 <213> Homo sapiens

<400> 19028
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 tctgatcatt gtaggtctca agaatgtatc aaacagtcag agtgcttggc atctaattga 180
 cacattcact agtatccatt acaccttcct aacagcatct tgatatcctt ttacagaaat 240
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 aagatttctt ctgacttctt ccaacagatt accttagaga gagaacacaa ctagcaagta 360
 ttccctgccc t 371

<210> 19029
 <211> 102
 <212> DNA
 <213> Homo sapiens

<400> 19029
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 tascacassg ctctcctgma tgctccttgt tttctttgtg ct 102

<210> 19030
 <211> 82
 <212> DNA
 <213> Homo sapiens

<400> 19030
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 twgcwggagt actgggaggt ga 82

<210> 19031
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 19031
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 aactgtataa tagctatatt aaaacttaga gcaaaagaaa aatggaaaac aatgyttgaa 120
 ssaaaaatgc aaaaccawac caaaaaacac cctagagaag cagaacaata taaaattaaa 180
 cacacacaca cacacaca 198

<210> 19032
 <211> 243
 <212> DNA
 <213> Homo sapiens

<400> 19032
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ggcgtgagcc aacgtgcccc gcctgttttt gttttttgtg ttttgaggca gggctctcgt 120
 tcagttcccc caggctggag tgcagtgawc acgataatgg bttactgtag ctgcaatctc 180
 ccgggctcaa gcgacctcc cgcctcagcc tcctgaacgg ttgggactgc aggcgacca 240
 cca 243

<210> 19033
 <211> 179
 <212> DNA
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<400> 19033
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 ccaggaggca agaggctgtg gtgagctgag atcatgccat tgcactccaa cctggacaa 179

<210> 19034
 <211> 358
 <212> DNA
 <213> Homo sapiens

<400> 19034
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 cataagctac tcaatcaaat taggaattaa attaaatgta tgatttggtt ctgattcttg 120
 ctaccctggg tgattatcaa aagggtttta aatcatatag accttaattc cataaccacg 180
 ggatagagtc ttagtatattc ttttacatat gccactgta tgactggagt ttatgagaca 240
 gaaatataaa atagcatatt aattttcaca gaaggaaatt agctattatc ttataatttt 300
 tagrrttttc catcagttaa atatgctgcc ttgagtctca taatatcctg ttagctaa 358

<210> 19035
 <211> 52
 <212> DNA
 <213> Homo sapiens

<400> 19035
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<210> 19036
 <211> 97
 <212> DNA
 <213> Homo sapiens

<400> 19036
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 cctcatgtga tccttcacc tcagcctccc acatcat 97

<210> 19037
 <211> 253
 <212> DNA
 <213> Homo sapiens

<400> 19037
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 aagtcattag taaaaatggt cagtagatgg gaagctgctt acataagcta atttgactg 180

accaacmagg macacagtca gtcctctgta cctgtggggt ctgcatttgt ggattcaacc 240
gtccatggag aga 253

<210> 19038
<211> 115
<212> DNA
<213> Homo sapiens

<400> 19038
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<210> 19039
<211> 264
<212> DNA
<213> Homo sapiens

<400> 19039
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tgatctttcc tgctttctct ttagggcatt tagtgctata aatttccctc tacacactgc 120
tttgawgcgt ccagagattc tggatgtgg tgtctttttt ctggttggt tcaaagaaca 180
tctttatttc tgctctctga atgactactg ggtacatc gaaatgaagg cagaaataaa 240
gatgttcttt gaaaccaacg agaa 264

<210> 19040
<211> 97
<212> DNA
<213> Homo sapiens

<400> 19040
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tagaaaaaga gggaatcctc cctaattcat tttatga 97

<210> 19041
<211> 270
<212> DNA
<213> Homo sapiens

<400> 19041
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atattccatt gtgtgaagat atcacagttt ataaaatcac tgtctcttat agatggacat 180
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ctggttagat gaccaangct tctctggggt 270

<210> 19042
<211> 229
<212> DNA
<213> Homo sapiens

<400> 19042
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ctgcctgctt tggccttgcc ttacctgtaa tccattttgt ctgccagatg gtcttggtta 120
aacgtaaggc aaatcacatc actcttctgc tgaaaacctt cccatgcctt gccagtcatt 180

cagtaaaatg cagtctgtgt gttttataag cccatgcaca atcacctca

229

<210> 19043
<211> 51
<212> DNA
<213> Homo sapiens

<400> 19043
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51

<210> 19044
<211> 108
<212> DNA
<213> Homo sapiens

<400> 19044
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ggctgcagtg agctgtgatc gcaccacagc actccagcct ggtgaca

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108

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<211> 212
<212> DNA
<213> Homo sapiens

<400> 19045
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agttcttact ctgttgccca ggctgggtgc agtggtgcta tcatggctca ctgcagcctc
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212

<210> 19046
<211> 140
<212> DNA
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<400> 19046
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ccaccacact cggcctccct

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<211> 116
<212> DNA
<213> Homo sapiens

<400> 19047
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116

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<211> 267
<212> DNA
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<400> 19048
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 ttcacccata accacgatgt gggggatctc acctgggaca agattgccgt ctccctaccc 180
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<210> 19049
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<400> 19049
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 <212> DNA
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<400> 19050
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<210> 19051
 <211> 361
 <212> DNA
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<400> 19051
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 ggtttttgta ttttttagtag agatgwggtt tcaccatatt ggccagggtg gtctcgaact 180
 gctgacctca ggtgatccac ccactttgat ctcccaaagt gctgggatta taggcatgag 240
 ccaccgcgcc cagcctcatt ttaataaatt aataaattct gctctctctg gaggtctaga 300
 cctttgagaa ggcttaaaac aaaaaaggag gccaggcatg gggctcamgc ctgtaatccc 360
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<210> 19052
 <211> 125
 <212> DNA
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<400> 19052
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 aagggtgatt ccctctatct tctctgtaat gcggttatat tacttttgta atagccaaaa 120
 ggaga 125

<210> 19053
 <211> 159
 <212> DNA
 <213> Homo sapiens

<400> 19053
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 ttatatattga ccacattggt acccagtaga atacttctgt gatgggggtt ttggtatttt 120
 tcaaaaatta atcccctctg ggcatagtct ctccctggc 159

<210> 19054
 <211> 358
 <212> DNA
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<400> 19054
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 cattctacat gtggsttggc aattatccta gcaccatttg ttgaatanna tgtcctttac 300
 ccactttatg cttttgtttg ctttgtcaaa gattagtttg ctittaagtat ttggtttt 358

<210> 19055
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 <212> DNA
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<400> 19055
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 cgcgccgtgt aatccagct actccagagg ctgaggcagg agaatcactt gaaccccgga 180
 ggcagaagtt gcagtgaacc aaaatcgtgc cactgcactc cagcctgggc aacagagcaa 240
 gactttgacc ctcccctcac 260

<210> 19056
 <211> 167
 <212> DNA
 <213> Homo sapiens

<400> 19056
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 aaaaatgaaa cacttcaaga atttacgtgt cattcttggc acaggggcca tgctaattctt 120
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<210> 19057
 <211> 76
 <212> DNA
 <213> Homo sapiens

<400> 19057
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 atgtacattt agagaa 76

<210> 19058
 <211> 128
 <212> DNA
 <213> Homo sapiens

<400> 19058
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tggcgtgaac ccgggaggcg gasttgcagt gagccgagat ggcgccactg cactccagcc 120
tccatgac 128

<210> 19059
<211> 290
<212> DNA
<213> Homo sapiens

<400> 19059
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tgtggtggca cgcgcctgta atcccagcta ctcaggaggc tgaggcagga gaatcaccca 240
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<210> 19060
<211> 281
<212> DNA
<213> Homo sapiens

<400> 19060
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ggtttrgcaa ctctgtcat tttgcagcct tgctaagatc tgacaagagt gcttaggtga 180
ctttattctt ctggatgtgt gcagtgggaa actgccttat gcagtgcac agtgcggatt 240
vdaggcagt tagccctggc ttgtagagt cggtggargc c 281

<210> 19061
<211> 116
<212> DNA
<213> Homo sapiens

<400> 19061
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gaccaggcat ttatcaagca gacaaggatt ctacaggcat gtcagaaaaa aaagaa 116

<210> 19062
<211> 189
<212> DNA
<213> Homo sapiens

<400> 19062
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atgcctagtt tagtgagtat tttctcccat tctgtagggt gtctgtttac ttctttgata 180
gtttctctt 189

<210> 19063
<211> 157
<212> DNA
<213> Homo sapiens

<400> 19063
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 gtgggtatta catgcattgc tgaagagtca tcctgggtgt cctcattcct cccaccttcc 120
 cgtgggtcatt ttaattacgg ggcagtgtca ccgcagt 157

<210> 19064
 <211> 54
 <212> DNA
 <213> Homo sapiens

<400> 19064
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<210> 19065
 <211> 252
 <212> DNA
 <213> Homo sapiens

<400> 19065
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 gccacccctg cttacacata ctcacctccc tgggcctctg ctggtccctg ggcttcacca 120
 mtcagtgaag tccagarecc tcccttctcc gtacactttt ggctgtggct acctcactgc 180
 ctattctgaa gcttagagca atgttcttgt gattttttct gcagcgcag tctattgcaa 240
 ttgcctccac at 252

<210> 19066
 <211> 226
 <212> DNA
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<400> 19066
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 caccataggt ttcaacataa aggaatggag aaagatctgt cacaaacatg gaaagtaaaa 120
 maaaacaggc atcattaatt tcttgacacag aataaaacag actttaaaaa agacaaataa 180
 ggccattaca taatgataaa gcattcagtt caacaagaag acttca 226

<210> 19067
 <211> 97
 <212> DNA
 <213> Homo sapiens

<400> 19067
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 gctcgcgccc ttcccccgcg cgccgctcc caccgcc 97

<210> 19068
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 19068
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 tctcgtttga tctctctaatt gctgacagtg ggggtgttaa gtctccatt attattgtgt 180

gggagtctaa gtgtctttgt aggtctctaa ggacttgctt tatgaatctg ggtgctcctg 240
tattgggtgc atatatannt aggatagtta gctcttcwng ttgaattaat ccatttacca 300
ttacgt 306

<210> 19069
<211> 86
<212> DNA
<213> Homo sapiens

<400> 19069
ctttgtgagg ccgaggtggg aggatcacga ggtcaggaga tcgagaccat cctggctaac 60
acagttaaac cccgtctcta ctaaaa 86

<210> 19070
<211> 94
<212> DNA
<213> Homo sapiens

<400> 19070
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gagaaatctc caactgtttt tcatagtagc tgta 94

<210> 19071
<211> 102
<212> DNA
<213> Homo sapiens

<400> 19071
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ttttatccct caccctctcc caccctttcc ctctgagccc cc 102

<210> 19072
<211> 135
<212> DNA
<213> Homo sapiens

<400> 19072
tttttgtatt tttagtagag atgggggttc accatgttag ccaggatggt ctcgatctcc 60
tgacctcatg atccacctgc cttggcctcc caaagtgctg ggattacagg cwtgaascac 120
cgcgcttggc cagca 135

<210> 19073
<211> 192
<212> DNA
<213> Homo sapiens

<400> 19073
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gaatctatgt taagggtaaa tgggtgctag ttttactgtt ccttccatht wtctgtaagt 120
tgaagttttt aaaaatamaa aggggtgakma attahaatgt tttaaaaaac maatatcaaa 180
gctttttttt tt 192

<210> 19074
<211> 127

<212> DNA
<213> Homo sapiens

<400> 19074
tatttttagt agagatggag ttccactatg ttggccaggc tgggtcttgaa ctccctgacct 60
caggtaatcc tcccacctcg gcctcccaaa atgctgggat tactggcgtg akcaccttgc 120
cggcct 127

<210> 19075
<211> 115
<212> DNA
<213> Homo sapiens

<400> 19075
tctaccacag atagcatgtc ctacaaaagg tccgggcaca tctgggtctga catgtgacta 60
ggtatatggc cagggtattgg tatgaatctt gagcctgagg acgacccccg acaaa 115

<210> 19076
<211> 106
<212> DNA
<213> Homo sapiens

<400> 19076
caagattagt gtacagaaat cagtagctct tatatccaca acagcaacca aacagagaat 60
caaatcaaga actcaacccc ttttacagta gctgcaaaaa aaaaaa 106

<210> 19077
<211> 124
<212> DNA
<213> Homo sapiens

<400> 19077
ccctcctgcc gcgagccacc caggggcggcg gcctgcagct gcaccagtcg cgggacagat 60
aaccacaatg gacactgccca gccawagcct tgtdcttctc cagcagctga acatgcagcg 120
agaa 124

<210> 19078
<211> 102
<212> DNA
<213> Homo sapiens

<400> 19078
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ttcatcatga ttttgttgc ctgaatacct tgttttcttt ct 102

<210> 19079
<211> 94
<212> DNA
<213> Homo sapiens

<400> 19079
aatttataat ttgagtatga aatgtatact tttctccacc cagagtgtatt atttttaaaa 60
ttaaccagtt tttgtttttt ttttttggcc cttt 94

<210> 19080
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 19080
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 agtgattctc aaccctggct atatattaaa gttgccaggg gagctggcaa aaaatattga 120
 tgactgtctt cactttcaga gattctgact acaattgttc tggatatgggc cctgcat 177

<210> 19081
 <211> 393
 <212> DNA
 <213> Homo sapiens

<400> 19081
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 tttgactttg tataatcctg tatggcttta cttactttca gggatctctt taatagtgcc 120
 tatctataat tttagccatt agttccatta aaaaaaatct gtcattaggc atttctagcc 180
 tagaaaacca gaaaatcata tatcggagca tatatttgag ggctcccag cctgcttctt 240
 aaaagtccat tcaaaagagt tttawttagc tgggcatagt ggctcacgcc tgtaacccta 300
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 gcaatatgag gagacctact taaaaaacia acw 393

<210> 19082
 <211> 122
 <212> DNA
 <213> Homo sapiens

<400> 19082
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 ttacattcca gtttttggtt gtattgaaat acatacttca cagtgttaatt cttagaccc 120
 ac 122

<210> 19083
 <211> 188
 <212> DNA
 <213> Homo sapiens

<400> 19083
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 gtgcaccaca ctaatgggaa atttgagtgt ttttccttga cctcatcctg wagttttgww 120
 aaagattwct ttaggwtttc cacacatgga atcacatggc atcactaccc attcccwgcw 180
 cctgccaa 188

<210> 19084
 <211> 86
 <212> DNA
 <213> Homo sapiens

<400> 19084
 aagcaacatg gctcggaaac gcgcggccgg cggggagccg cgrggacgck wactgcgcas 60
 cagaaatcca aggccaagag craggc 86

<210> 19085

<211> 145

<212> DNA

<213> Homo sapiens

<400> 19085

acactcagcc cgtgatgcag gtgctcgatc tcggcaagac gcggccggag aaccgccatc	60
agatgcagcg cgacasvacg tggcggcatc cctcgamgct twgcaggccc tgwgccccva	120
awctcaagcg cgtctccmtc gwggw	145

<210> 19086

<211> 328

<212> DNA

<213> Homo sapiens

<400> 19086

gtttatttcg cttttcattt tgtcgatttt tacttcatgt attatggggc tctattctta	60
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tttgtwcctt tgtttcttct ttattgtact cttttgtgtt aatattttct catgtttcat	180
ttcaattcct tttcctcatg ttttgaatta ttttcttagt gattgcatgt atgatatatg	240
tcttaagtta tcacagtgtt cttcagatca gtactaaaat tctctagaac atggaaactt	300
tcctccagta tagctccatt tcattcccc	328

<210> 19087

<211> 73

<212> DNA

<213> Homo sapiens

<400> 19087

agaatggta ctccatagaa agagcagccc caagggctgc tgattgcgcc tttttctttt	60
tttttttttt ttt	73

<210> 19088

<211> 181

<212> DNA

<213> Homo sapiens

<400> 19088

cctaaatagaa tcaacccgaa tggaatggag tggaacggaa tgcaaaggaa tggaatggaa	60
tggtacggaa tagaatggaa cgaaatggaa tagaatggat tcaaaccaat tggtatggaa	120
tggaatggag tgtaaaggaa ttgaatggac tcaacccgaa tggaatggag tggaacggaa	180
t	181

<210> 19089

<211> 88

<212> DNA

<213> Homo sapiens

<400> 19089

acacacttaa tagatgatga catggcttca gtacaaagtg acatatatga gatcatatag	60
atgggattga aaaattcaat cctcagct	88

<210> 19090

<211> 249

<212> DNA

<213> Homo sapiens

<400> 19090

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agtctctggc ctgagttttc aattttcttg tcttttatat tttgcatttc ttttttttct    60
ttttaaatat atttttcttc tccttttttg ttttttatta ttatacttta agttctaggg    120
tacatgttca caacatgcag gtttgttaca taggtataca tgtgccatgt tggtttgctg    180
cacccatcaa ctcgtcattt acattaggta tttcttctaa tgatatcccg cccccagtac    240
ccccccaa                                     249

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<210> 19091

<211> 279

<212> DNA

<213> Homo sapiens

<400> 19091

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agcagagagg aaagdgaac tgggagaggg aggaaggag aaagtgagaa gggaaatcgg    60
aaagagaaaa gggaggaaac ggcagagcca gagagaaaga ggaagagact gagtgtgaag    120
gagagccagg tatggtggtg catgcctgta gtcctagcta tatggaaggc caaggtggga    180
agatccctta agcccaggag tttgacgctg cagtgaagctg tgattgtgcc actgcactcc    240
agcctgggca aacagagcga gaccctgaaa aaaaaaaaaa                279

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<210> 19092

<211> 110

<212> DNA

<213> Homo sapiens

<400> 19092

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cttctactct gagggatatt tgaaatatat cctcataaaa atcattttac atatttttat    60
ttcctaaaaa ctaaaactgt tgtgaacttt tcacattggg aaaaaaaaaa        110

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<210> 19093

<211> 191

<212> DNA

<213> Homo sapiens

<400> 19093

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gagagtagtc agagcaccaa atgaccgacg atrmagagtt tatgctgagg aatattttaag    60
tttgaccat tttggctaca agtagcaata acccgcccaa gctaacttaa tcaaaggagg    120
aatgdsattg ctgmatttta gggatatcct acccaattca agaggaggga tgtagttgcc    180
tctagggaca c                                     191

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<210> 19094

<211> 148

<212> DNA

<213> Homo sapiens

<400> 19094

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cgtgaacctg ggaggcggas ttgcagtga cgcagatagt gccactgcac tccagcctgg    60
gcgacagagc gagactctct caaaaaaatt araataaaat aaaaacatta avaaaaaaag    120
agtataggwt gcttctcctc tccmmgca                                148

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<210> 19095

<211> 116

<212> DNA

<213> Homo sapiens

<400> 19095

gaatggaatg gaaacaaccc gactgcaggg gaatggagtg gaatggaatg caatggaatg	60
gattcaactt gaatggaatg gaaagaatgg aatcaacacg agtggaatgg cagtac	116

<210> 19096

<211> 364

<212> DNA

<213> Homo sapiens

<400> 19096

gatctaacac acagttataa tttcaattgt gagtgaacac ccattcaatc cctaagacag	60
taatccctgg caaagcttta acacataggg tgaaatctcc caaggctaga actttttctt	120
ggcagagaaa catcaaggag atggaatatg ctcttgaaaa aggacctgtt gttttaattt	180
gtacacatta aagtcattctt ttcaagggtgc ttcttaaaag ttcagcctgc aatgtccaaa	240
ggacaaaaag tagatgtccc tctgagattt tgctacaatg aawnnkatta aagggtttta	300
tgtggtttac accttcagaa atagccagaa gacccagca ctcarnttc acagcctgcc	360
tcca	364

<210> 19097

<211> 101

<212> DNA

<213> Homo sapiens

<400> 19097

caggttaatt acatacgtat acatgtgcc a tgctggtgtg ctgcaccac taactcgtca	60
tctagcatta ggtatatctc ccaaagctac cccctaccca a	101

<210> 19098

<211> 204

<212> DNA

<213> Homo sapiens

<400> 19098

tgagacagag tcttgctcts tcgtccaggc tgtagtgcag tggcacgac tgggttgaag	60
tgaatcthht gcctcagccc cctgagtggc tgggatggca ggcacctgcc accatgcctg	120
gctgggtttt gtgttttvt ggagatgggg ttttaccatg ttggtcacac tggcttgaa	180
ctcctgaact caagcagtcc gccc	204

<210> 19099

<211> 210

<212> DNA

<213> Homo sapiens

<400> 19099

ggaaagctaa ctgctacctt tcagggtagt gataaggaac aaatgaggta atccaaataa	60
aacactgact cttgggggtcc cggtgagcca gtggttctca tggaggcgag taggaggcct	120
gggcatcagc stgtgaatgc agtgaggccc ctcccgagc atgcctgacc tacgacctac	180
ctgaaattca ccaactgaca gggcaacctt	210

<210> 19100

<211> 171

<212> DNA
<213> Homo sapiens

<400> 19100
ctgtggcctt ccttccttcc ttnccttccct cctggaattt cgtctctgttg cccaggctgg 60
agcgagtgga cgtaatacata gtttgctgcg gccctgaccc caatggcaca aatgagcctc 120
ctgcctcaat ctctaagta gctgggacta caggcatatg ccactacgcc c 171

<210> 19101
<211> 80
<212> DNA
<213> Homo sapiens

<400> 19101
cccaggtatg aaattctggg ttggaaattc ttwtctttaa gaatgttaaa atattggccc 60
ccaagctctt ttggcttgta 80

<210> 19102
<211> 342
<212> DNA
<213> Homo sapiens

<400> 19102
gtaagtgtca tatttaattct aattaagccc ctgttggatt tatttctgtt cttaggctgt 60
agctggaaaa ataaaattta tgatcctaaa gtatacagaa tattcatgaa ttaattacca 120
aattattttt ataataatta gacataatac agtttgaaat attttctaag ttttgtttat 180
ttttatttgt ttgtttatatt atttcaatag ttttggggaa cagggtggtt ttggttacat 240
ggataagttc tttagtgggtg atttctgaga ttttgggtgca cttgtcaccc aagtagtgvn 300
nkctgtaccc aatacatggt cttttacatc tcacccccdn kw 342

<210> 19103
<211> 323
<212> DNA
<213> Homo sapiens

<400> 19103
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gcgcggcggc ggtggcatct gcggccatgg cggcgactay tgcmaacccc gaaatggvca 120
tcagatgtac matcactggg tccascmat gctctggaa actctggacc tggaaattcaa 180
ggtggaggas ccattgtcca gagggctatt aagcggcgac cagggtgagt ttgagtgwag 240
tgtgttatga atatctctcc tawaaaccaa ctttagttgc kgaatttatt tagttgctga 300
actcacttcg cwattcctga cca 323

<210> 19104
<211> 124
<212> DNA
<213> Homo sapiens

<400> 19104
tctcgcttag gctggagtgc agtggcatca tctcagctca ctgaaacctc cacctcctgg 60
gmtgaagaga ttctcctgct tcagcctccc aagtagctgg gattacaggm gtgcaccacc 120
acga 124

<210> 19105

<211> 170
<212> DNA
<213> Homo sapiens

<400> 19105
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tgtctattag gtctaattgg tctagtgtcg aatctaagtc tagaatttct ttattagttt 120
tctgcctcaa tgatctwtck aatgcwgtca rgwggggmat tgaartcccc 170

<210> 19106
<211> 70
<212> DNA
<213> Homo sapiens

<400> 19106
atttctttct ttaaabaacc agttaattya tttcaggwca agaatttamc awataatact 60
ctttttatat 70

<210> 19107
<211> 132
<212> DNA
<213> Homo sapiens

<400> 19107
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acgatctcgg ctcaactgcaa cctccacctc ctgagttcaa gtgattctcc tgcctcagta 120
tctcgagtag ct 132

<210> 19108
<211> 114
<212> DNA
<213> Homo sapiens

<400> 19108
aaggcaagat ggtgsactac agcgtgyggg accacatwgm ggwgtctgay gmtgragacg 60
aracgaccc caacatcgmc acggccagtc tcttcgcwgc gcggcatcag gccc 114

<210> 19109
<211> 51
<212> DNA
<213> Homo sapiens

<400> 19109
taatttttat tttkactata ttcttatcag attatgtcat ccgtattata c 51

<210> 19110
<211> 127
<212> DNA
<213> Homo sapiens

<400> 19110
gcattctcag gacaagagtt aaacatttat gtacagatgg agcaaaaggc cagggtgcgg 60
ggttcacgcc tggaatccca gcactttggg aggccgaggc aggcggatca cgaggtcagg 120
agatcga 127

<210> 19111
 <211> 57
 <212> DNA
 <213> Homo sapiens

<400> 19111
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<210> 19112
 <211> 111
 <212> DNA
 <213> Homo sapiens

<400> 19112
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<210> 19113
 <211> 123
 <212> DNA
 <213> Homo sapiens

<400> 19113
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 tcaactgwcaa catgtaaagt ctttactcca gaaagtkccc ccatgcctct ttcatgtcag 120
 tcc 123

<210> 19114
 <211> 124
 <212> DNA
 <213> Homo sapiens

<400> 19114
 aatgaagat atttccccca gtagattata gtgagaatga aagaatttat gtaagttata 60
 aattgctgtt catatataag atagtggtag cataactatt aacagatgtc aagtcaatca 120
 gcc 124

<210> 19115
 <211> 56
 <212> DNA
 <213> Homo sapiens

<400> 19115
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<210> 19116
 <211> 258
 <212> DNA
 <213> Homo sapiens

<400> 19116
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 ctcagcctcc tgagtagttg ggactacagg cacctccac cacacctggc taatttaaaa 120

atTTTTatTTt tgtaaagaca gggTctcact atgttgccca ggctggTTtc agattcctga 180
 gttcaagcca ttctcccatc ttagcctctc aaagtgtctg ctgggattac agacgtgagc 240
 caccgtatct ggcactca 258

<210> 19117
 <211> 120
 <212> DNA
 <213> Homo sapiens

<400> 19117
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 acatctgttt gccagaactg actaggtkcc aattctttac ggttaacacc tattgaagga 120

<210> 19118
 <211> 325
 <212> DNA
 <213> Homo sapiens

<400> 19118
 agtatatacc caacaatggg attgctgggt caaatggtaa ttctgtTTta agtatttgga 60
 ggaatcacca cactgtTTtc ccagaatggc tgaactaatt tacactccca cccaaaatgc 120
 ataagwawtc cctwvcvtcw gcaaaatccc agcatctatt atTTTTtgac tcataaataa 180
 tagccattct ggctgggtata agatgggtatc tcattgtgggt ttTwatttgc atttctctaa 240
 taattaggct gagcattTTta taatatgctt attggatgca tgaaatgtct tctTTtgaga 300
 actgtctgtt catatcctcg gccca 325

<210> 19119
 <211> 105
 <212> DNA
 <213> Homo sapiens

<400> 19119
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 gcctattatg aatgatgctg ctatgagcat ttgtgtacaa gTTTT 105

<210> 19120
 <211> 120
 <212> DNA
 <213> Homo sapiens

<400> 19120
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 taagaataga ttggmaggcc aagtgtggtg ggctcaagca attctaccac tcggcctccc 120

<210> 19121
 <211> 193
 <212> DNA
 <213> Homo sapiens

<400> 19121
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 agtgtagtgg tgcaattatg gccactgca gctcaccctc ttgggetcaa gtgaccctcc 120
 cgtcttggcc tctgtagtag ttgggrctac caggtrgcac aaccaccatg cctgactaat 180
 tTTctTTTct ttt 193

<210> 19122
 <211> 433
 <212> DNA
 <213> Homo sapiens

<400> 19122
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 cgccattctc ctgcctcagc ctctgagta gctgggacta caggcaccgg ccaccatgcc 120
 tggctaattt tttgtatttt tagtagarga mctgggtttc atmacgttag ccaggatggg 180
 ctcgatctct tgacctcatg atctgcccgc caaggtggag gacggacgag aagacaccct 240
 tectcaaccg gggctgcctg gcagtctggg caccctgagg gacagcctgc ctgagaggga 300
 agctcagagc cccaagcccc tcnnttcmtca tctgagggct gctgtgagga gccaagaagg 360
 agcaagctct tcacgtagtg cttggtacac agyaggcgcc ccmactaggt gctagatggg 420
 gycattattg tga 433

<210> 19123
 <211> 243
 <212> DNA
 <213> Homo sapiens

<400> 19123
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 gctactcaag actgagacag gaggatcgct tgagcccagg aggttggggc tgtagtgaac 120
 catgatcatg ccaactgcact ccagctgggc aagagtgaga ccctgtctca aacaaaacaa 180
 aacaaaacaa acaanaaaga aaactgcctg gtgcagatcc aattagattc ctccccntcc 240
 cac 243

<210> 19124
 <211> 144
 <212> DNA
 <213> Homo sapiens

<400> 19124
 aggagggctc agagtggagc cctgaggaat gcctccactg aagggggcagg caaaggaaga 60
 ggagtccaac gagacaacag agaatacaga atctcaccag aggckhgctt tttgcagggt 120
 ccctgtgtct tcttaggcaa gtwa 144

<210> 19125
 <211> 74
 <212> DNA
 <213> Homo sapiens

<400> 19125
 ctctacctg aacctctcaa gtagagctgg gactacagtg cactccacca tgcccaggta 60
 attttttttt tttt 74

<210> 19126
 <211> 101
 <212> DNA
 <213> Homo sapiens

<400> 19126
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ctccagcctg ggcaacaaga gtgaaactca gtctcagaaa a

101

<210> 19127

<211> 108

<212> DNA

<213> Homo sapiens

<400> 19127

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60

108

<210> 19128

<211> 277

<212> DNA

<213> Homo sapiens

<400> 19128

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tttgtattac tgtaaaaatg rrggaawtaa aagtgactga tttttaaatg atcagttttt
gattaattgt ttttttcctg gtggatactg attcacatca aggggattct tttttgaagc
tgatttttag atgtcctgta attaataaga agtcctt

60

120

180

240

277

<210> 19129

<211> 62

<212> DNA

<213> Homo sapiens

<400> 19129

cgtaattaaa aatattgtgg caggattaat agcattttgg ttttgtgggt tgtttttttt
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60

62

<210> 19130

<211> 194

<212> DNA

<213> Homo sapiens

<400> 19130

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ttgagacaca gtctcacttt attctcaggc tgaaatgcaa tggcacgac ttggctcact
ccacctcctg agttcaagcg attctcccsy cytcagcncc ctgagtagct gagwktacag
gcacacacca caaa

60

120

180

194

<210> 19131

<211> 229

<212> DNA

<213> Homo sapiens

<400> 19131

caagcatatc gtgtgtaatg atccaatgaa gataattcag ataaccatca cctcatgcat
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aataaatgat tgttaattat agtcctccac actgtactac taaatgctta aacttattcc
ttctatctag aggtttttgtg cccactaatc attccgcctt taccgccc

60

120

180

229

<210> 19132
<211> 241
<212> DNA
<213> Homo sapiens

<400> 19132
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atgactcaaa tccatacctc agcaaaataa tatttaccat atatcatgag cgtatgaggt 120
ctgatgtgga tacctgaaac tatgaawkgg taaaattctt aaatgccaaag tgtctagggg 180
caatagcata gacatactga tagaaattac aactcagggc caggcgtggt ggctcatgcc 240
t 241

<210> 19133
<211> 118
<212> DNA
<213> Homo sapiens

<400> 19133
cagatgacct gagraggtgt gggccagtag tgtttttctg aatttgaagt ttgttttagtc 60
gtcaagtcca ggaaagcaca gtcatatggc tatggtagac aatatattcg tcatgacc 118

<210> 19134
<211> 120
<212> DNA
<213> Homo sapiens

<400> 19134
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ggactcaagt gatctgcccc cctcagcctc ccaaagtgtc aggamtacag gcatcagcca 120

<210> 19135
<211> 330
<212> DNA
<213> Homo sapiens

<400> 19135
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tagggaatta aatctaaaaat ttaagccttt tgaaaagctt caaaatttaa gaatctcgtc 120
aatctgttcc atctgggtcac taattwttat attttaagta atgtttgtgt wtatgatcca 180
cattatgcta taaacagaat taatgtgaat tgtggtgttt ttaattaaca tactagtatt 240
tcctaaggaa ttatctagag tgtgtccttg tataatcagt tgaggaaaga gattttcaaa 300
gagaaaatga cccacaata aatcacccca 330

<210> 19136
<211> 93
<212> DNA
<213> Homo sapiens

<400> 19136
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ttctagamaa tgcaggctaa gcgacagtta caa 93

<210> 19137
<211> 100

004220" 666EFS60

<212> DNA
<213> Homo sapiens

<400> 19137
tgactactgc tggcccacgg ggactcccag ctccccctggc agcgccctggc gccactggc 60
accttggcaa tcctctgcmg gtgtgatgcg tctgtgctcc 100

<210> 19138
<211> 202
<212> DNA
<213> Homo sapiens

<400> 19138
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tattgtgcag ccaccacctc tgtctagttc cagaaaattt tcatttcccc aaaaggaaac 120
cctatcccca tcaggagtca ttctcccat tccctcvcac gctcccagcc cctggkaact 180
actaatctgc tttctgtcga ac 202

<210> 19139
<211> 365
<212> DNA
<213> Homo sapiens

<400> 19139
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agtcttgta tgctgcccag gatggagtgt agtggtacaa tctcggtca ctgcagcctc 120
cgctcttcc tgggttcaag tgawtctcct gcctcagcct tctgagtaga tgggactaca 180
ggtgcacacc accatgcctg gctgattttt gtacttttgg tagagacggg gtttcgccat 240
gctggccagg ctggtcttga actcctggcc tcaagtaatc tgcccacctt ggctcctaa 300
attgctggga ttgcagacac tttttcaaaa atggcaatgg tatcagaatt cctcaaacag 360
gccat 365

<210> 19140
<211> 81
<212> DNA
<213> Homo sapiens

<400> 19140
atgggttttg gtatattaca tttattttct aaattgtggc aaaatatgta tagcacaaaa 60
cttgctatatt tagccttttt t 81

<210> 19141
<211> 120
<212> DNA
<213> Homo sapiens

<400> 19141
ctacattttg tttatccact catccattga tggacatttg agttgtttcc acttttttgg 60
gtttttatga ataatacttc taagaacatt tatatgcatg tttttgtgtg aacatatgtt 120

<210> 19142
<211> 172
<212> DNA
<213> Homo sapiens

<400> 19142
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 gatggaagga gtatcctgga tttttcaggt aaactgagta taatcacaag ggcctctgta 120
 aaggaggcag gagtgtcava gtgacggaag aaaatgtaht gtaacabtgg aa 172

<210> 19143
 <211> 159
 <212> DNA
 <213> Homo sapiens

<400> 19143
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 atgtgctggt atgtcctgga gagatactgt actgtgtgac ccagcgctcc cacctcactc 120
 aggaatacca garggagtcg awgcttattt gatgcccc 159

<210> 19144
 <211> 84
 <212> DNA
 <213> Homo sapiens

<400> 19144
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 tggaatggaa tcaacgagat tgca 84

<210> 19145
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 19145
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 aatgtctaag atgtctgagg aaaatatcta ttgttaataa cagtttggtt gtggtattag 120
 gagacaggag acattatgca ttttctgaaa taccagacca gtttttagac gcacatagca 180
 attcataaga tttttttttt 199

<210> 19146
 <211> 160
 <212> DNA
 <213> Homo sapiens

<400> 19146
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 aaggtcaagg acaaggcgcc gaggtgccta ccctcttagt aytttgtgtt ggggartgga 120
 ggctgtccaa ndgaggctgg gccaaagggg awagggcmaa 160

<210> 19147
 <211> 217
 <212> DNA
 <213> Homo sapiens

<400> 19147
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 gcttggttaag taccagtcca ttatgtgcca ggtagtgatt cctatttcag agatgagaag 120

agaaccatga gaaaaagtas gcctgtgtta gattaaaaagt aaractgcag gcctgggtgca 180
gtgggttcacg cctgtattcc tagcactttg ggaggcc 217

<210> 19148
<211> 243
<212> DNA
<213> Homo sapiens

<400> 19148
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tctacctctt tctcttgcag tgatagactg agggggtaaa atcaagagaa aaaactctca 120
ggaatcaagg aacataatcc tgtggagggt aatccattac atgagcttct cctgttcttc 180
cacttttctg cctggctttc actccttccc ctgctctgcc cagcctttcc ctcccaccca 240
cat 243

<210> 19149
<211> 147
<212> DNA
<213> Homo sapiens

<400> 19149
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caatcccgat ggggaggag ggctatggat agatttgtgt caccctgcaa caagaatatt 120
aggaattctt cttcccaaac tataagt 147

<210> 19150
<211> 346
<212> DNA
<213> Homo sapiens

<400> 19150
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tttcttctat tttcagaata gtttaagtag gattagttat tactagtctt tctttaaata 120
tttggtagaa ttctatcars aggtacgagg aggagctggg accattbvtt ctgaaactgt 180
tccaatcaat agaaaaagag ggaatcctcc ctaactcatt ttatgaggcc agcatcatcc 240
tgatacctaa gcctggaaga gacacaaca aaaaagagaa ttttagaaca atatccctga 300
tgaacattga tgcaaaaatc ctcaataaaa tactggcaaa ccawnt 346

<210> 19151
<211> 58
<212> DNA
<213> Homo sapiens

<400> 19151
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<210> 19152
<211> 162
<212> DNA
<213> Homo sapiens

<400> 19152
ccataaggat cagaaatgca attccaggga atctcagggt gagtaccaga aagtgtcaga 60
ttatggcttg gagatttctt ccagagatgc tggaatgatg gaaagtgagt gaggctgact 120

tctgttatcc acagactcct ctagggaact tccataggct gc

162

<210> 19153

<211> 195

<212> DNA

<213> Homo sapiens

<400> 19153

taaaaaaatg	aaaaatggct	gggtgcggtg	gcgcatgcct	gtaatcccag	cactttggcc	60
aaggcaggtg	gatcacctga	ggtaaggagt	ccgagaccag	cctggccaac	atggtgaaaa	120
cccgtctcta	ctaaaaatac	aaaaattagc	cgggcgtggt	ggcatgtgcc	tgtagtccca	180
gctactcggg	aggct					195

<210> 19154

<211> 328

<212> DNA

<213> Homo sapiens

<400> 19154

tcttttatgt	tatagttcag	gttttgttat	gcatagaaaa	ccctttcaaa	ttcagtgatt	60
agtggccggg	cacagtggct	cacgcctgta	gtcccagcac	tttgggaggc	cgaggcgggc	120
ggatcacggg	gtcgggagtt	tggagaccag	cctggccaac	atggtgaaac	cctgtctcta	180
ctgaaaatgc	aaaaaattag	ctgggcgtgg	tggcgggtgc	ctgtggtccc	ggctactcgg	240
gaggctgagg	caggagaact	gcttgagccc	gggaggcgga	ggttg cattg	agccgagggt	300
gcgccacctc	attccagccc	gggtgaca				328

<210> 19155

<211> 271

<212> DNA

<213> Homo sapiens

<400> 19155

tgagatcttt	tgggacaggc	aggcaatgca	tggtaatcac	atcatggaaa	attgggtatc	60
catctcctca	agcatttata	cttctttttt	tgcatttata	ctttttatta	caagcaatgt	120
aattatactt	tttaaattat	tgttaaatgt	acaattaaag	tattattgac	tgtagtcccc	180
ctgttggtgt	atgaaatact	gtcttattta	ttctttctaa	ttttttttgt	actcatcagc	240
catctccacc	tccccaccac	ccaccacccc	a			271

<210> 19156

<211> 191

<212> DNA

<213> Homo sapiens

<400> 19156

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ggtcaccaag	gctggaatgc	agtggtgcaa	tcacagctca	gtgaagcctt	gagcttctcg	120
gctcaagctg	tctctccgcc	tcacccctcc	tgagtagctg	ggactacagg	cgtgcgacca	180
ccataccggg	c					191

<210> 19157

<211> 84

<212> DNA

<213> Homo sapiens

004220" 66666666

<400> 19157
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taataatgaa attctcaact cacc 84

<210> 19158
<211> 207
<212> DNA
<213> Homo sapiens

<400> 19158
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cctcggttg tccaccacc tcggcctccc ggggtgctgg gattgcaggt gtgggchacc 120
gtgccggcc ttgactacca atattttwaa awttactgra ggactttttt gttctcttct 180
tttyctttt tttaatagca cccact 207

<210> 19159
<211> 128
<212> DNA
<213> Homo sapiens

<400> 19159
cgtctctgtt cttatatatt tgaccttctt tctttgaaag gctgggcaat gaaacttggc 60
acgttcttga atttgctaag ggtttaaaaa aagaaatcta cttctcaaat agcaactttc 120
tagagtga 128

<210> 19160
<211> 357
<212> DNA
<213> Homo sapiens

<400> 19160
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catggctaatt tggcacagga gatagaagag agcaagtgcc tcagaggagg aactggtamt 120
tttattgtga ctattgaaag gaaaggagag ggctgtggwt tgctgttga gaatgaggag 180
atttntggaa gaagtgctgt ttgagctggg ctctcagggg gcatcaatat ttgcagacag 240
cagtgttttg agaccatgtg tctgcaacag gcagggtgtag aggcagcagg gtgtggttgg 300
gagttgaatt gggatgcctt gttgggtgta tgmcatgggg atgacaattg gagatga 357

<210> 19161
<211> 246
<212> DNA
<213> Homo sapiens

<400> 19161
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tttatcagag actaggattc aacccttgct tttttttgct tttccatttg cttggwagag 120
tcaagacca tcattwgct gwatttaggr aaaccatct mamgtgcaga gacacacata 180
ggctcaaaat aaagggatgg aggaagatct accaagcaaa tggaaagcaa aaaaaagca 240
ggggtt 246

<210> 19162
<211> 354
<212> DNA
<213> Homo sapiens

<400> 19162
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 caggacccaa gggcaacctg ggctctaagg gcgaacgagg ctccccggga cccaagggtg 120
 agaagggwga aachsrhcag cawctwcadg cccmaacdrc ggwgccctgg gmcctgcca 180
 gaaagggarcc aaggggaragc cgggcttccg aggacccccg ggtccatacg gacggccggg 240
 gtacaaggga gagattggct ttcctggacg rmmgggtcgc cccgggatga acggattkaa 300
 aggwgasaaa ggggagccgs garatgccag ccttggtatt ggmatgaggg gaat 354

<210> 19163
 <211> 200
 <212> DNA
 <213> Homo sapiens

<400> 19163
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 ctaattctgt attttttagaa gaaacagggt ttctccatgt ggcccaggct ggtctcgaac 120
 tcctgacagc aggtaaatcc gscctcctt ggctcccaa agtgctggga ttacaggcgt 180
 gagccactgc accccgccta 200

<210> 19164
 <211> 179
 <212> DNA
 <213> Homo sapiens

<400> 19164
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 gattcttctc cctcagcctc cggagtagct gggattatag acacgtgcc ccacgcccag 120
 ctaatttttg tatttttaag tagagacagg ggtttcacca tgtagctag gctggcccc 179

<210> 19165
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 19165
 agagaagctc ccagctttga aggtcttgcg gtggtgcgtg gcgggcagga acccacaatt 60
 ccaaatacaa acggtcggcg cgagaagcgc ttctgggccc aggcgcctgg ctgtagcgac 120
 tgggtgcggg aggcctggact ctggtkrmct gtaagcatca agtgtacctg atttgtgaac 180
 ctatcttgct tcagttgggt tcctcctaaa tattaggcag aatt 224

<210> 19166
 <211> 269
 <212> DNA
 <213> Homo sapiens

<400> 19166
 ttttgaaatg tgtgtatttg gatttctagc cttaatagct attaagcaca ttttcccaat 60
 atagtttttt caagtgaat actttataag ttgaagccag ctgaggattc ttcgctagct 120
 gttagactta atgcatactc awtttggtt gtatycacac actggtttca tgttctgtgc 180
 agttaagtaa tcttaaagaa tggcgtgtct aggcctgggtg cgggtggctca cacctgtaat 240
 cccagcactt tgggaagcca aggcgggtg 269

<210> 19167

<211> 98
<212> DNA
<213> Homo sapiens

<400> 19167
taatttcctaa atattttttaaa aaacttaggc tgtttgaggg ctacataata atccacaaaa 60
tcttctttgc gaaattacat aaaatcaagc cagcaaga 98

<210> 19168
<211> 128
<212> DNA
<213> Homo sapiens

<400> 19168
tttctctaag atgctgtgta tcctgtcatt ggagagcata agacttgaag tgatcatagt 60
aaaaatgtag aaataatttc caagtattca tgggtggtgtt aaatttatga agaagtaagt 120
gtggactc 128

<210> 19169
<211> 157
<212> DNA
<213> Homo sapiens

<400> 19169
aaaggaatca acccgagtgg aatggcatgc aatggaatgg aatggaatgg aatggaacag 60
aatggtacgg aaaagaatgg aaaggaatca acccgagtgg aatggcatgc aatggaatgg 120
aatggaatgg gamtgggaaca agaatggkwa cggaaaa 157

<210> 19170
<211> 118
<212> DNA
<213> Homo sapiens

<400> 19170
caaatttgc atttttcaac cattgtttct ttgaataott ttttaagcccc atactctttc 60
tcctcttttt cttggttttt gatcatgcaa atgctagacc ttataaaaaat agcccat 118

<210> 19171
<211> 77
<212> DNA
<213> Homo sapiens

<400> 19171
tgaggcaaga ttgtgccatt gcaactccagc ctaggcaaca aaagtgagac tccgtctcaa 60
aaaaaaaaa aaaaaaa 77

<210> 19172
<211> 242
<212> DNA
<213> Homo sapiens

<400> 19172
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tactgaatct attttaaagc actgtcagga ggattaaatg aggaaaacac ttagaatagt 120

gcctggcact gcgtaaacac tyagttaa at gtdaactgtc atcatcatgt tattgttaca 180
 gaaagagttg cagtattctg gaaaaatcac tcaactcattt aaatagattt tttttttttt 240
 tt 242

<210> 19173
 <211> 137
 <212> DNA
 <213> Homo sapiens

<400> 19173
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 tgaaccagg aggagaggt tgcagtgagc tgagaccatg ccattgcact ccagcctgag 120
 tgacagagtg agactcc 137

<210> 19174
 <211> 76
 <212> DNA
 <213> Homo sapiens

<400> 19174
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 aaaaaaaaa aaaaaa 76

<210> 19175
 <211> 248
 <212> DNA
 <213> Homo sapiens

<400> 19175
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 agtgggggtg aggagaagga tacatcttac acatgtgcat gtgtattctg gatgggtatg 120
 agaatcttga taagattaac ggktcycmar gtttkgyttt wtbgtttwht ttttgavmcg 180
 gagtttcaact ctgtagacca ggctggagtg cagtggcacg atctcagctg actgcaagct 240
 ccgccttc 248

<210> 19176
 <211> 150
 <212> DNA
 <213> Homo sapiens

<400> 19176
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 tgaaccagg aggagaggt tgcagtgagc tgagaccatg ccattgcact ccagcctgag 120
 tgacagagtg agactccgtc tcaaaaaaaaa 150

<210> 19177
 <211> 150
 <212> DNA
 <213> Homo sapiens

<400> 19177
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 caaggctctg tctcaaaaaa aaaaaaaaaa 150